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COMMERCIAL FERTILIZERS

By JOHN S. BURD

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COMMERCIAL FERTILIZERS.

By JOHN S. BURD.

The present bulletin comprises the results of the fertilizer inspection work of the California Fertilizer Control for the fiscal year ending June 30, 1910.

REGISTERED MANUFACTURERS AND DEALERS.

The following manufacturers and dealers in commercial fertilizers have obtained certificates of registration under the provisions of the California Fertilizer law, for the fiscal year beginning July 1, 1909. A list is also given of the brands of fertilizers and fertilizer materials offered by them for sale. According to the sworn returns of dealers registered for the fiscal year ending June 30, 1909, their entire sales in the State amounted to 35,322 tons. Nearly complete returns for the year ending June 30, 1910 indicate sales of 36,634 tons.

No dealer or manufacturer, except those who have certificates of registration from the University of California, and their authorized agents, can legally sell fertilizers in this State. No person or company has any right to use any registration number except in connection with the firm name to which the registration certificate of such number has been issued; and no person or company to whom a registration number has been assigned has any right to give any other person or company permission to use said registration number, and any number so used is a fraud. No agent has any right to use his principal's registration number in connection with his own name.

Agricultural Chemical Works, Los Angeles, Cal.

Registration No. 8.

| | |
|--------------------|---------------------------|
| Apricot. | Olive. |
| Bat Guano. | Potato. |
| Blood. | Prune and Peach. |
| Bone Meal. | Special Orange and Lemon. |
| Grape and Berry. | Sulfate of Potash. |
| Gypsum. | Superphosphate. |
| Lawn and Rose. | Tankage. |
| Muriate of Potash. | Vegetable. |
| Nitrate of Soda. | Walnut and Almond. |

Special mixtures to order of consumers.

American Agricultural Chemical Co., California Works, Los Angeles, Cal.

Registration No. 1.

| | |
|-------------------------------|--------------------------|
| Acid Phosphate. | Nitrate of Soda. |
| Blood. | Nursery Stock. |
| Bradley's Grain, No. I. | Orange and Lemon. |
| Bradley's Grain, No. II. | Special Fruit and Vine. |
| Fruit and Vine. | Sulfate of Ammonia. |
| Ground Bone; Raw and Steamed. | Sulfate of Potash. |
| Lawn. | Special Brands to Order. |
| Lemon Tree. | Vegetable. |

Arlington Heights Fruit Co., Riverside, Cal.

Registration No. 48.

| | |
|-----------------|-------------------|
| Acid Phosphate. | Nitrate of Soda. |
| Basic Slag. | Sulfate of Potash |
| Bat Guano. | Tankage. |
| Blood. | Whale Blood. |
| Bone. | Whale Bone. |
| Fish Guano. | |

The Armour Fertilizer Works, Los Angeles, Cal.

Registration No. 7.

| | |
|-------------------------|-----------------------------|
| Bone Meal. | Lawn and Garden Fertilizer. |
| Bone, Blood and Potash. | Nitrate of Soda. |
| Dried Blood. | Orange Tree Manure. |
| Flower and Fern Food. | Pea Special. |
| Fruit Special. | Special 5-8-2. |
| Fruit and Vine. | Sulfate of Potash. |
| Guano. | Tankage. |

Special mixtures to order of consumers.

Balfour, Guthrie & Co., San Francisco, Cal.

Registration No. 10.

| | |
|--------------------|--------------------------|
| Nitrate of Soda. | Muriate of Potash. |
| Sulfate of Potash. | Thomas Phosphate Powder. |

Bloomington Fruit Association, Bloomington, Cal.

Registration No. 52.

| | |
|------------------|--------------------|
| Fish Guano. | Sulfate of Potash. |
| Nitrate of Soda. | Tankage. |
| Bone Meal. | Whale Tankage. |

Braun Chemical Co., Los Angeles, Cal.

Registration No. 35.

| | |
|--------------------|---------------------|
| Acid Phosphate. | Sulfate of Ammonia. |
| Muriate of Potash. | Sulphate of Potash. |
| Nitrate of Soda. | Superphosphate. |

W. B. Burr, Los Angeles, Cal.

Registration No. 46.

| |
|--------------------|
| Sulfate of Potash. |
|--------------------|

California Fertilizer Works, Inc., San Francisco, Cal.

Registration No. 3.

| | |
|--|---------------------------------------|
| Fruit and Vine. | Special Orange Tree (A). |
| Fruit, Orange and Vine. | Special Orange Tree, yellow leaves. |
| High Grade Ammoniated Bone Superphosphate. | Peach. |
| High Grade Bone Meal. | Special Fertilizer with Iron Sulfate. |
| Nursery Stock. | Special Fertilizer. |
| Odorless Lawn Dressing. | Special Fruit and Vine. |
| Orange Tree (B). | Special Orange and Lemon. |
| Special Bone and Blood Meal. | Special Nursery Stock. |
| Special Orange Tree. | Special Phosphate and Potash. |
| | Truck and Berry. |

California Ranch Supply and Fertilizer Exchange, Upland, Cal.

Registration No. 50.

| | |
|---------------------|--------------------------|
| Blood | Sulfate of Potash. |
| Bone Meal. | Superphosphate. |
| Double Manure Salt. | Sulfate of Ammonia. |
| Fish Guano. | Sulfate of Iron. |
| Guano. | Thomas Phosphate Powder. |
| Nitrate of Soda. | |

Special mixtures to order of consumers.

Carlsbad Guano and Fertilizer Co., Redlands, Cal.

Registration No. 47.

| | |
|------------------|--------------------|
| Bat Guano. | Sulfate of Potash. |
| Blood. | Superphosphate. |
| Bone Meal. | Tankage. |
| Nitrate of Soda. | |

Special mixtures to order of consumers.

Cudahy Packing Co., South Omaha, Neb.

Registration No. 16.

Tankage, otherwise designated Blood and Bone.

The Hauser Packing Co., Los Angeles, Cal.

Registration No. 33.

| | |
|-----------------|-----------------|
| Bat Guano. | Dried Blood. |
| Bone Meal. | Ground Tankage. |
| Coarse Tankage. | |

Hawaiian Fertilizer Co., Ltd., San Francisco, Cal.

Registration No. 19.

| | |
|--------------------|--------------------|
| Alfalfa. | Nursery Stock. |
| Blood. | Orange and Lemon. |
| Bone Meal. | Sulfate of Potash. |
| Fish Guano. | Superphosphate. |
| Fruit and Vine. | Thomas Phosphate. |
| Muriate of Potash. | Tankage. |
| Nitrate of Soda. | |

Special mixtures to order of consumers.

Simon Levy, Los Angeles, Cal.

Registration No. 37.

Fertilizer Mixture No. 1.

Thomas Lewis, Sacramento, Cal.

Registration No. 40.

The Tom Lewis Fertilizer.

Los Angeles Fertilizer Co., Los Angeles, Cal.

Registration No. 38.

| | |
|------------------------------------|-----------------------|
| Bone Meal. | Special Fruit Grower. |
| Fruit Grower. | Tankage and Potash. |
| Garden and Lawn Fertilizer. | Tankage. |
| Hanson's Odorless Lawn Fertilizer. | |

Mapes Formula and Peruvian Guano Co., New York.

J. J. Prendergast, Redlands, Agent.

Registration No. 12.

| | |
|------------------------------|---------------------------|
| Mapes Fruit and Vine Manure. | Mapes Orange Tree Manure. |
| Mapes Vegetable Manure. | |

Morris & Co., Chicago.

W. B. Burr, 307 Central Bldg., Los Angeles, Agent.

Registration No. 26.

| | |
|--------------------|--------------------------|
| Pacific Big One. | Pacific Big Six. |
| Pacific Big Two. | Pacific Big Seven. |
| Pacific Big Three. | Pacific Big Eight. |
| Pacific Big Four. | Ground High Grade Blood. |
| Pacific Big Five. | |

The Mountain Copper Co., San Francisco, Cal.

Registration No. 28.

| | |
|--|---------------------|
| Mococo. Superphosphates. | Nitrate of Soda. |
| Mococo. Mixed Fertilizers of various compositions. | Sulphate of Potash. |

Special mixtures to order of consumers.

Mutual Orange Distributors, Redlands, Cal.

Registration No. 39.

| | |
|-----------------|--------------------|
| Bat Guano. | Mutual Spring. |
| Blood. | Nitrate of Soda. |
| Bone Meal. | Sulfate of Potash. |
| Mutual No. 1. | Superphosphate. |
| Mutual No. 2. | Tankage |
| Mutual Special. | |

Special mixtures to order of consumers.

Nitrate Agencies Co., Los Angeles, Cal.

Registration No. 45.

| | |
|------------------|---------------------|
| Nitrate of Soda. | Sulphate of Potash. |
| Superphosphate. | |

Oakland Meat and Packing Co., Stock Yards, Cal.

Registration No. 24.

Special Fertilizer.

Pacific Bone, Coal and Fertilizing Co., San Francisco, Cal.

Registration No. 14.

| | |
|----------------------|---------------------------|
| Bone Meal. | Muriate of Potash. |
| Ceres Brand. | Nitrate of Potash. |
| Ceres Brand No. 0. | Pomona Brand. |
| Ceres Brand No. 1. | Pomona Brand No. 1. |
| Ceres Brand No. 2. | Pomona Brand No. 2. |
| Citrona Brand. | Pure Dissolved Bone Meal. |
| Citrona Brand No. 1. | Sulfate of Potash. |
| Citrona Brand No. 2. | Superphosphates. |
| 'Flora' Brand. | Tankage. |
| Lupine Brand. | Thomas Phosphate Powder. |

Special mixtures to order of consumers.

Pacific Guano and Fertilizer Co., San Francisco, Cal.

Registration No. 4.

| | |
|--------------------------------|------------------------------------|
| Dissolved Bone Superphosphate. | Sulphate of Ammonia. |
| Raw Bone Meal. | Sulfate of Potash. |
| Steamed Bone Meal. | Superphosphate. |
| Double Manure Salt. | Double Superphosphate. |
| Dried Blood. | Tankage. |
| Fish Scrap. | Thomas Phosphate Powder. |
| (F) Fruit and Vine. | Basic Superphosphate No. 1 Cresco. |
| Kainit. | Basic Superphosphate No. 2 Cresco. |
| Lawn Dressing. | (GG) Grain Grower. |
| Muriate of Potash. | (PNK) Phosphorous, Nitrogen and |
| Nitrate of Soda. | Kalium. |
| (N) Nursery Stock. | Standard Acid Phosphate "Cresco." |
| Special 6-8-2. | (T) Truck. |
| Special Phosphate and Potash. | |

Special mixtures to order of consumers.

Pacific Wood and Coal Co., San Diego, Cal.

Registration No. 53.

| | |
|----------------------|--------------------|
| (BG) Lawn. | Sulfate of Potash. |
| (BG) Soil Regulator. | Superphosphate. |
| Nitrate of Soda. | |

Redlands Fertilizer Association, Redlands, Cal.

Registration No. 49.

| | |
|--------------|--------------------|
| Bat Guano. | Sulfate of Potash. |
| Bone Meal. | Tankage. |
| Dried Blood. | |

Special mixtures to order of consumers.

Redlands Fruit Association, Redlands, Cal.

Registration No. 34.

| | |
|------------------|--------------------|
| Bone Meal. | Sulfate of Potash. |
| Dried Blood. | Tankage. |
| Nitrate of Soda. | Whale Tankage. |

San Bernardino Fertilizer Works, San Bernardino, Cal.

Registration No. 15.

| | |
|---------------------|--------------------------|
| Bone Meal. | Orange and Lemon, No. 1. |
| Guano. | Orange and Lemon, No. 2. |
| Lawn Fertilizer. | Potato. |
| Muriate of Potash. | Tankage. |
| Nitrate of Soda. | Sulfate of Potash. |
| Nursery Fertilizer. | Vegetable. |

Special mixtures to order of consumers.

San Gabriel Valley Milling Co., Covina, Cal.

Registration No. 51.

| | |
|------------------|--------------------|
| Bat Guano | Sulfate of Potash. |
| Bone Meal | Salmon Scrap. |
| Nitrate of Soda. | Tankage. |

Carroll B. Smith, Redlands, Cal.

Registration No. 25.

| | |
|------------|--------------------|
| Bat Guano. | Sulfate of Potash. |
| Blood. | Nitrate of Soda. |
| Bone. | Tankage. |

Special mixtures to order of consumers.

Southern California Fertilizer Co., Los Angeles, Cal.

Registration No. 42.

| | |
|---|--|
| Bone Meal. | Southern California Root and Tuber. |
| Southern California Orange. | Southern California Pea and Vetch. |
| Southern California Orange and Lemon. | Southern California Lawn and Nurs- ery. |
| Southern California Orange Special. | Southern California Fruit Special. |
| Southern California Standard. | Southern California Fruit Special A. |
| Southern California "A" Special. | Southern California Fruit Special B. |
| Southern California "B" Special. | Guano. |
| Southern California Fruit and Vine. | Nitrate of Soda |
| Southern California Peach and Apri- cot. | Sulfate of Potash. |
| | Tankage. |

Special mixtures to order of consumers.

Standard Rendering Co., Kansas City, Mo.

Registration No. 44.

| | |
|-----------------|------------------------|
| Standard One. | Standard Four. |
| Standard Two. | Standard Concentrated. |
| Standard Three. | Standard Bone. |

Swift & Co., Chicago, Ill.

Registration No. 5.

| | |
|---------------------------------|---------------------------------|
| Swift's Diamond "C" Fertilizer. | Swift's Diamond "M" Fertilizer. |
| Swift's Diamond "D" Fertilizer. | Swift's Ground Blood. |
| Swift's Diamond "E" Fertilizer. | Swift's Acidulated Bone Meal. |
| Swift's Diamond "K" Fertilizer. | Swift's Special Bone Meal. |
| Swift's Diamond "L" Fertilizer. | Swift's High Grade Tankage. |

Union Fertilizer Co., Los Angeles, Cal.

Registration No. 9.

| | |
|----------------------|-------------------------------|
| Acidulated Guano. | Nitrate of Soda. |
| Blood. | Nursery or Spring Fertilizer. |
| Bone Meal. | Special Fruiting. |
| Fall Fertilizer. | Sulfate of Potash. |
| Fruiting Fertilizer. | Superphosphate. |
| Guano. | Tankage. |

Special fertilizers to order of consumers.

Union Superphosphate Co., San Francisco, Cal.

Registration No. 31.

| | |
|------------------------------------|------------------------|
| Cresco-Basic Superphosphate No. 1. | Cresco-Superphosphate. |
| Cresco-Basic Superphosphate No. 2. | |

Western Meat Co., San Francisco, Cal.

Registration No. 11.

| | |
|---------------------|-------------|
| High Grade Tankage. | Blood Meal. |
| Special Bone Meal. | Special. |

Woodbridge Fertilizer Co., Los Angeles Cal.

Registration No. 22.

| | |
|--------------------|--------------------|
| Bone Meal. | Lawn. |
| Nitrate of Soda. | Lemon. |
| Muriate of Potash. | Sulfate of Potash. |
| Orange. | Tankage. |

SCOPE OF INSPECTION.

The present report differs from preceding ones in that it covers the entire fiscal year instead of the half-year only. On this account the statistical data represent more nearly average conditions than any previously published, inasmuch as the character of the demands for fertilizer and the opportunities for collecting samples are slightly different in the first and second half-years. During the year 573 samples of fertilizers and fertilizing materials have been received at the laboratory. Of this number 25 were sent by farmers under the two-dollar fee provision, 174 were taken by inspectors from purchasers' goods upon the request of the purchasers, and 294 were taken by inspectors from goods in the hands of agents and manufacturers. On 35* samples the analysis as reported was used as a basis of settlement by mutual agreement of buyer and seller. No guaranty was required or given with goods sold under such an agreement. Forty-five samples of a miscellaneous nature are omitted from the tables.

The following classification may be made of samples reported in this bulletin:

| | |
|---------------------------------|-----|
| Complete Fertilizers | 174 |
| Bone Meal | 42 |
| Tankage | 100 |
| Superphosphate | 42 |
| Dried Blood | 53 |
| Nitrate of Soda | 42 |
| Sulfate of Potash | 20 |
| Bat Guano | 33 |
| Bat Guano and Bone | 5 |
| Bird Guano Phosphate | 2 |
| Superphosphate and Potash | 2 |
| Whale Tankage | 4 |
| Whale Bone Meal | 3 |
| Fish Guano | 6 |
| Total | 528 |

DEFICIENCIES.

In the analyses of the above samples, the following number of deficiencies greater than that allowed by law occur:

| | |
|--|----|
| Available Phosphoric Acid (total when available is not guaranteed) | 45 |
| Total Nitrogen | 38 |
| Potash | 7 |
| In valuation | 44 |

These deficiencies were found in 83 samples.

* Besides these a considerable number of the remaining purchasers' analyses were doubtless used subsequently as a basis of settlement, but without being reported to this office.

The fertilizer law allows a deficiency of 0.25 per cent. in nitrogen, 0.50 per cent. in potash, and 1 per cent. in available phosphoric acid.

FERTILIZER VALUATIONS.

The calculations of the commercial values of the fertilizers here reported are made on the so-called unit basis. Such calculations consist simply in multiplying the number of per cent. of each ingredient by the price per unit and adding the products. The sum thus obtained is the commercial value per ton at the prices used. If it is desired to use such a calculation for determining the amount which should be paid for goods, or the rebate to which the buyer is entitled owing to the goods delivered being below the guaranty, it can only be satisfactorily done if a definite price per unit has been agreed upon between buyer and seller. But for the mere purpose of showing the relative values of goods to guaranties, it is not at all necessary that the prices adopted should be the exact market prices. Thus it is that the Fertilizer Control in attempting to show the relation between values found and values claimed, uses a schedule which is admittedly only an approximate average of market values. Owing to market fluctuations, differences in cost of delivery at different points, and other causes, the obtaining of true average market prices is an impossibility. But if the reader will bear in mind the true purpose of the valuations reported, these will have served their turn and he will not be led to assume that the Experiment Station is dictating the prices at which goods shall be sold.

SCHEDULE OF TRADE VALUES.

| | FISCAL YEAR 1909. | | FISCAL YEAR 1910. | |
|--|---------------------|--------------------|---------------------|--------------------|
| | Cents per pound. | Value per unit. | Cents per pound. | Value per unit. |
| <i>Phosphoric Acid.</i> | | | | |
| Available (water and citrate-soluble)..... | 6 | \$1.20 | 5 | \$1.00 |
| Insoluble in mixed fertilizers | 2½ | .50 | 2 | .40 |
| In fine* bone and tankage | 4½ | .09 | 3½ | .70 |
| In medium* bone and tankage | 3½ | .70 | 3 | .60 |
| In fine* Thomas phosphate powder..... | 5 | 1.00 | ..... | ..... |
| In medium* Thomas phosphate powder..... | 3 | .60 | ..... | ..... |
| <i>Nitrogen.</i> | | | | |
| In ammonia salts | 18 | 3.60 | 14 | 2.80 |
| In nitrates | 17½ | 3.50 | 13½ | 2.70 |
| Organic in— | | | | |
| Blood | 21 | 4.20 | 21 | 4.20 |
| Mixed fertilizers | 20 | 4.00 | 20 | 4.00 |
| Fine* bone and tankage | 20½ | 4.10 | 20½ | 4.10 |
| Medium* bone and tankage | 16 | 3.20 | 16 | 3.20 |
| <i>Potash.</i> | | | | |
| From sulfate | 6 | 1.20 | 5 | 1.00 |
| From muriate | 5 | 1.00 | 4 | .80 |

* Fine and medium bone are separated by a sieve with 50 meshes to the inch; fine and medium tankage by a 25-mesh sieve; and fine and medium Thomas phosphate powder by a 100-mesh sieve.

REPORT OF ANALYSES.*

Available phosphoric acid is not determined in bone meal, tankage, and Thomas phosphate powder, unless requested. The fineness of these materials is determined, fine and medium bone being separated by a sieve of 50 meshes to the inch; tankage by a 25-mesh sieve; and Thomas phosphate powder by a 100-mesh sieve.

Nitrogen in ammonia salts will, in some cases, be found reported when nitrogen in this form is not guaranteed. In some of such cases this form of nitrogen is produced by conversion of organic nitrogen during process of manufacture, and is not to be considered a deviation from guaranty of materials used. Guanos carry more or less nitrogen in nitrates and ammonia salts, and when any appreciable quantity of guano is used the manufacturer should take into account the fact that some nitrogen will show as nitrates and ammonia salts. The failure to take this into consideration may perhaps account for the appearance of these forms of nitrogen in some samples in which only organic nitrogen was guaranteed.

The percentage of chlorin is given when it exceeds 0.50 per cent. It is a matter of only technical interest whether chlorin present is from muriate of potash, kainit, or from common salt that may be in some of the materials used. If a manufacturer uses sulfate of potash and uses a tankage with it containing a large amount of chlorin, from a practical standpoint he has lowered the grade of his fertilizer just as much as if he had used muriate of potash instead of sulfate of potash. Chlorin from all other sources is as objectionable as from muriate of potash. However, if muriate of potash is found when sulfate is guaranteed, the fact will be published.

The following abbreviations are used in the tables: Bl=blood, Bn=bone, Fs=fish, G=Guano, Super=superphosphates, T=tankage.

Guarantees are entered in *italics*. Deficiencies greater than allowed by law are entered in bold type.

* The statement has sometimes been made that the work of the Fertilizer Control is being done by students. Such is not the case. All analyses are made by Messrs. P. L. McCreary and P. L. Hibbard, who are both careful and experienced analysts.

ANALYSES AND VALUATIONS.

| Laboratory Number | NAME AND ADDRESS OF MANUFACTURER OR DEALER, AND NAME OF BRAND. | | FROM WHOM OBTAINED. | Value per Ton at Station Prices. |
|-------------------|---|---|---------------------|-------------------------------------|
| | | | | |
| | | | | |
| | Agricultural Chemical Works, Los Angeles, Cal. | | | |
| 2757 | Bat Guano | E. A. Moore, Redlands | \$48.60 | |
| | Guaranteed..... | | 42.72 | |
| 2764 | Bat Guano | W. H. Collins, Covina | 45.92 | |
| | Guaranteed..... | | 58.98 | |
| 2765 | Bat Guano | B. L. King, Covina | 37.16 | |
| 2776 | Bat Guano | G. M. Culp, Escondido | 36.92 | |
| | Guaranteed..... | | 36.86 | |
| 2592 | Bat Guano and Bone | A. L. Wright, Jr., Rialto | 37.43 | |
| | Guaranteed..... | | 38.80 | |
| 2599 | Bat Guano and Bone | H. H. Pettit, Redlands | 36.30 | |
| 2630 | Bat Guano and Bone | Thos. Moffatt, Rialto | 36.12 | |
| | Guaranteed..... | | 37.20 | |
| 2745 | Bat Guano and Bone | E. H. McCullogh, Rialto | 37.70 | |
| | Guaranteed..... | | 38.40 | |
| 2753 | Bat Guano and Bone | W. N. Glasscock, Rialto | 43.12 | |
| | Guaranteed..... | | 44.40 | |
| 2344* | Blood | G. A. Herdeg, Riverside | 56.86 | |
| 2351* | Blood | F. D. Hudson, Riverside | 56.19 | |
| 2558 | Blood | J. M. Webster, Upland | 57.58 | |
| 2628* | Blood | Thos. Moffatt, Rialto | 57.75 | |
| 2761* | Blood | W. H. Collins, Covina | 57.07 | |
| 2783* | Blood | D. F. Bremner, Upland | 56.70 | |
| | Guaranteed..... | | 54.60 | |
| 2607* | Blood | H. L. Bilson, Redlands | 58.92 | |
| | Guaranteed..... | | 55.86 | |
| 2784* | Blood | D. F. Bremner, Upland | 56.86 | |
| | Guaranteed..... | | 56.28 | |
| 2345* | Bone Meal | G. A. Herdeg, Riverside | 30.24 | |
| | Guaranteed..... | | 28.32 | |
| 2887* | Bone Meal | Live Hardware Co., South Pasadena..... | 30.26 | |
| | Guaranteed..... | | 26.26 | |
| 2762* | Fish Guano | W. H. Collins, Covina | 38.19 | |
| | Guaranteed..... | | 38.13 | |
| 2774* | Fish Guano | John A. Whetstone, Escondido | 37.98 | |
| | Guaranteed..... | | 38.30 | |
| 2352* | Lawn | E. A. Moore, Redlands | 22.64 | |
| 2529 | Lawn | W. J. Rogers, Pomona | 23.35 | |
| | Guaranteed..... | | 21.25 | |
| 2550 | Nitrate of Soda | Gowen & Willard, Santa Ana | 54.15 | |
| 2629 | Nitrate of Soda | Thos. Moffatt, Rialto | 54.15 | |
| 2781 | Nitrate of Soda | Bradley Bros., Escondido | 53.72 | |
| | Guaranteed..... | | 52.50 | |
| 2330 | Nitrate, Bone and Potash | G. A. Herdeg, Riverside | 43.16 | |
| | Guaranteed..... | | 38.00 | |
| 2873 | Special Orange | East Highlands Imp. Co., East Highlands | 28.17 | |
| | Guaranteed..... | | 26.60 | |

*2344—Some hoof.

*2351—Some hoof.

*2628—Some hoof.

*2761—Some hoof.

*2783—Some hoof.

*2607—Some hoof.

ANALYSIS AND VALUATIONS—Continued.

POUNDS PER HUNDRED.

| Laboratory Number. | PHOSPHORIC ACID | | | | NITROGEN | | | | POTASH | | CHLORIN |
|--------------------|-----------------|------------|--------|-----------------------------|--------------|-------------------|----------|--|---------------|--------|---------|
| | Available. | Insoluble. | Total. | Guaranteed as derived from. | In Nitrates. | In Ammonia Salts. | Organic. | Organic Nitrogen guaranteed as derived from. | From Sulfate. | Total. | |
| 2757 | ..... | ..... | 5.15 | ..... | 1.82 | 2.06 | 7.08 | ..... | ..... | 1.98 | ..... |
| | | | 4.00 | ..... |  |  | 9.40 | ..... | ..... | 1.60 | ..... |
| 2764 | ..... | ..... | 4.60 | ..... | 1.96 | 2.01 | 6.38 | ..... | ..... | 2.19 | ..... |
| | | | 4.50 | ..... |  |  | 13.20 | ..... | ..... | 2.15 | ..... |
| 2765 | ..... | ..... | 4.80 | ..... | 1.95 | 1.00 | 4.73 | ..... | ..... | 3.32 | ..... |
| 2776 | ..... | ..... | 4.78 | ..... | 1.93 | 1.07 | 4.88 | ..... | ..... | 2.48 | ..... |
| | | | 4.27 | ..... |  |  | 7.71 | ..... | ..... | 2.18 | ..... |
| 2592 | ..... | ..... | 12.80 | ..... | 2.24 | 1.46 | 3.12 | ..... | ..... | 1.18 | ..... |
| | | | 12.00 | ..... |  |  | ..... | ..... | ..... | 1.00 | ..... |
| 2599 | ..... | ..... | 11.40 | ..... | 1.02 | 2.80 | 3.04 | ..... | ..... | 1.17 | ..... |
| 2630 | ..... | ..... | 10.65 | ..... | 1.39 | 2.63 | 2.92 | ..... | ..... | 1.32 | ..... |
| | | | 10.00 | ..... |  |  | 7.00 | ..... | ..... | 1.00 | ..... |
| 2745 | ..... | ..... | 10.35 | ..... | 3.29 | 0.64 | 3.12 | ..... | ..... | 2.60 | ..... |
| | | | 10.00 | ..... |  |  | 7.00 | ..... | ..... | 2.00 | ..... |
| 2753 | ..... | ..... | 10.75 | ..... | 1.71 | 4.12 | 2.76 | ..... | ..... | 2.23 | ..... |
| | | | 10.00 | ..... |  |  | 8.50 | ..... | ..... | 2.00 | ..... |
| 2344 | ..... | ..... | ..... | ..... | ..... | ..... | 13.54 | ..... | ..... | ..... | ..... |
| 2351 | ..... | ..... | ..... | ..... | ..... | ..... | 13.38 | ..... | ..... | ..... | ..... |
| 2558 | ..... | ..... | ..... | ..... | ..... | ..... | 13.71 | ..... | ..... | ..... | ..... |
| 2628 | ..... | ..... | ..... | ..... | ..... | ..... | 13.75 | ..... | ..... | ..... | ..... |
| 2761 | ..... | ..... | ..... | ..... | ..... | ..... | 13.59 | ..... | ..... | ..... | ..... |
| 2783 | ..... | ..... | ..... | ..... | ..... | ..... | 13.50 | ..... | ..... | ..... | ..... |
|  |  |  | ..... | ..... | ..... | ..... | 13.00 | ..... | ..... | ..... | ..... |
| 2607 | ..... | ..... | ..... | ..... | ..... | ..... | 14.03 | ..... | ..... | ..... | ..... |
|  |  |  | ..... | ..... | ..... | ..... | 13.30 | ..... | ..... | ..... | ..... |
| 2784 | ..... | ..... | ..... | ..... | ..... | ..... | 13.54 | ..... | ..... | ..... | ..... |
|  |  |  | ..... | ..... | ..... | ..... | 13.40 | ..... | ..... | ..... | ..... |
| 2345 | ..... | ..... | 19.98 | ..... | ..... | ..... | 4.05 | ..... | ..... | ..... | ..... |
| | | | 20.00 | ..... | ..... | ..... | 3.50 | ..... | ..... | ..... | ..... |
| 2887 | ..... | ..... | 20.60 | ..... | ..... | ..... | 4.03 | ..... | ..... | ..... | ..... |
| | | | 20.00 | ..... | ..... | ..... | 3.00 | ..... | ..... | ..... | ..... |
| 2762 | ..... | ..... | 7.33 | ..... | ..... | ..... | 8.60 | ..... | ..... | ..... | ..... |
| | | | 7.25 | ..... | ..... | ..... | 8.60 | ..... | ..... | ..... | ..... |
| 2774 | ..... | ..... | 6.85 | ..... | ..... | ..... | 8.60 | ..... | ..... | ..... | ..... |
| | | | 7.25 | ..... | ..... | ..... | 8.60 | ..... | ..... | ..... | ..... |
| 2352 | 4.38 | 6.47 | 10.85 | ..... | ..... | ..... | 2.82 | ..... | ..... | †2.58 | ..... |
| 2529 | 6.65 | 3.10 | 9.75 | ..... | ..... | ..... | 2.51 | ..... | ..... | †3.79 | ..... |
| | 5.00 | 5.00 | 10.00 | Supr, T | ..... | ..... | 2.50 | Bl, Bn | ..... | †2.50 | ..... |
| 2550 | ..... | ..... | ..... | ..... | 15.47 | ..... | ..... | ..... | ..... | ..... | ..... |
| 2629 | ..... | ..... | ..... | ..... | 15.47 | ..... | ..... | ..... | ..... | ..... | ..... |
| 2781 | ..... | ..... | ..... | ..... | 15.35 | ..... | ..... | ..... | ..... | ..... | ..... |
|  |  |  | ..... | ..... | 15.00 | ..... | ..... | ..... | ..... | ..... | ..... |
| 2330 | ..... | ..... | 10.68 | ..... | 3.34 | ..... | 2.14 | ..... | ..... | 11.98 | 0.87 |
| | | | 11.00 | Bn | ..... | ..... | ..... | ..... | ..... | 11.00 | ..... |
| 2873 | 6.35 | 4.35 | 10.70 | ..... | 1.51 | 0.16 | 2.43 | ..... | ..... | 2.33 | ..... |
| | 6.00 | 4.00 | 10.00 | Supr, T | 2.00 | ..... | 2.00 | Bat G, Bl, Bn | 4.00 | 2.00 | ..... |

*2784—Some hoof.

*2345—Some hoof. 35% fine.

*2887—25% fine.

*2352—Some hoof.

*2774—64% fine.

*2762—63% fine.

† From Muriate.

ANALYSES AND VALUATIONS—Continued.

| Laboratory Number | NAME AND ADDRESS OF MANU- FACTURER OR DEALER, AND NAME OF BRAND. | | FROM WHOM OBTAINED. | Value per Ton at Station Prices. |
|--|--|---------------------------------------|---------------------|-------------------------------------|
| | | | | |
| | | | | |
| Agricultural Chemical Works— Continued. | | | | |
| 2331 | Special Orange and Lemon | G. A. Herdeg, Riverside | 25.98 | |
| | Guaranteed..... | | 26.60 | |
| 2332 | Special Orange and Lemon | G. A. Herdeg, Riverside | 28.52 | |
| 2769 | Special Orange and Lemon | C. K. Chadwick, Upland | 28.62 | |
| 2778 | Special Orange and Lemon | John A. Whetstone, Escondido | 30.38 | |
| | Guaranteed..... | | 28.20 | |
| 2333 | Special Orange and Lemon | G. A. Herdeg, Riverside | 26.90 | |
| | Guaranteed..... | | 26.20 | |
| 2346 | Special Orange and Lemon 6-8-4-2.. | G. A. Herdeg, Riverside | 32.81 | |
| 2353* | Special Orange and Lemon 6-8-4-2.. | F. D. Hudson, Riverside | 32.99 | |
| 2605 | Special Orange and Lemon 6-8-4-2.. | G. A. Herdeg, Riverside | 33.81 | |
| 2799 | Special Orange and Lemon 6-8-4-2.. | Mary Hall Smith, Riverside | 34.68 | |
| | Guaranteed..... | | 31.70 | |
| 2347 | Special Orange and Lemon | G. A. Herdeg, Riverside | 32.14 | |
| | Guaranteed..... | | 31.30 | |
| 2354* | Special Orange and Lemon 5-8-4-5.. | F. D. Hudson, Riverside | 32.15 | |
| 2355* | Special Orange and Lemon 5-8-4-5.. | F. D. Hudson, Riverside | 32.03 | |
| | Guaranteed..... | | 31.80 | |
| 2468 | Special Orange and Lemon | H. F. Dalrymple, Fullerton | 27.05 | |
| 2763 | Special Orange and Lemon | W. H. Collins, Covina | 25.56 | |
| | Guaranteed..... | | 25.10 | |
| 2467 | Special Orange and Lemon | H. F. Dalrymple, Fullerton | 27.51 | |
| 2530 | Special Orange and Lemon | W. J. Rogers, Pomona | 27.76 | |
| 2549 | Special Orange and Lemon | Gowen & Willard, Santa Ana | 28.64 | |
| | Guaranteed..... | | 26.60 | |
| 2528 | Special Orange and Lemon | W. J. Rogers, Pomona | 25.30 | |
| | Guaranteed..... | | 23.60 | |
| 2559 | Special Orange and Lemon | J. M. Webster, Upland | 26.67 | |
| | Guaranteed..... | | 23.40 | |
| 2606 | Special Orange and Lemon | G. A. Herdeg, Riverside | 29.83 | |
| | Guaranteed..... | | 28.50 | |
| 2777 | Special Orange and Lemon | D. D. Neufeld, Escondido | 23.57 | |
| 2795 | Special Orange and Lemon | Gowen & Willard, Santa Ana | 24.38 | |
| | Guaranteed..... | | 24.30 | |
| 2779 | Special Orange and Lemon | J. E. Cope, Escondido | 23.81 | |
| | Guaranteed..... | | 24.50 | |
| 2864 | Special Orange and Lemon | W. H. Jameson, Corona | 38.15 | |
| | Guaranteed..... | | 39.10 | |
| 2356 | Sulfate of Potash | E. A. Moore, Redlands | 60.00 | |
| | Guaranteed..... | | 60.00 | |
| 2459 | Superphosphate | H. Temple, Covina | 19.93 | |
| 2696 | Superphosphate | San Dimas Lemon Assn., San Dimas..... | 21.00 | |
| 2697 | Superphosphate | San Dimas Lemon Assn., San Dimas..... | 20.82 | |
| 2810 | Superphosphate | P. B. Goethals, Riverside | 20.28 | |
| | Guaranteed..... | | 20.40 | |
| 2469* | Tankage | H. F. Dalrymple, Fullerton | 34.41 | |
| | Guaranteed..... | | 32.09 | |

*2353—Some hoof.

*2354—Some hoof.

*2355—Some hoof.

*2469—76% fine.

ANALYSES AND VALUATIONS—Continued.

POUNDS PER HUNDRED.

| Laboratory Number. | PHOSPHORIC ACID | | | | NITROGEN | | | | POTASH | | CHLORIN |
|--------------------|-----------------|------------|--------|-----------------------------|--------------|-------------------|----------|--|---------------|--------|---------|
| | Available. | Insoluble. | Total. | Guaranteed as derived from. | In Nitrates. | In Ammonia Salts. | Organic. | Organic Nitrogen guaranteed as derived from. | From Sulfate. | Total. | |
| 2331 | 4.44 | 4.65 | 9.19 | Super, T | 1.60 | 0.10 | 2.15 | Bat G, Bl, Bn | 3.14 | ..... | ..... |
| ..... | 5.00 | 3.00 | 8.00 | | 1.00 | ..... | 3.00 | | 3.00 | ..... | ..... |
| 2332 | 5.66 | 2.18 | 8.84 | | 2.66 | 0.18 | 2.06 | | 4.90 | 2.27 | ..... |
| 2769 | 4.50 | 4.30 | 8.80 | | 2.56 | ..... | 2.23 | | 4.79 | 2.66 | ..... |
| 2778 | 5.95 | 1.80 | 7.75 | | 3.28 | ..... | 1.90 | | 5.18 | 2.72 | ..... |
| ..... | 4.00 | 4.00 | 8.00 | | 2.00 | ..... | 3.00 | | 5.00 | 2.00 | ..... |
| 2333 | 4.36 | 4.60 | 8.96 | | 0.80 | 0.07 | 2.08 | | 2.95 | 6.33 | ..... |
| ..... | 5.00 | 3.00 | 8.00 | | 1.00 | ..... | 2.00 | | 3.00 | 6.00 | ..... |
| 2346 | 4.63 | 3.62 | 8.25 | | 3.46 | 0.20 | 2.32 | | 5.98 | 2.78 | 0.88 |
| 2353 | 4.20 | 3.47 | 7.67 | | 3.62 | ..... | 2.50 | | 6.12 | 2.95 | 0.83 |
| 2605 | 5.37 | 2.58 | 7.95 | | 3.09 | ..... | 2.98 | | 6.07 | 2.79 | ..... |
| 2799 | 4.72 | 3.81 | 8.53 | | 2.95 | 0.11 | 3.24 | | 6.30 | 2.87 | ..... |
| ..... | 4.00 | 4.00 | 8.00 | | 3.00 | ..... | 3.00 | | 6.00 | 2.00 | ..... |
| 2347 | 4.24 | 3.44 | 7.68 | | 2.50 | ..... | 2.45 | | 4.95 | 5.65 | 1.05 |
| ..... | 4.00 | 4.00 | 8.00 | | 3.00 | ..... | 2.00 | | 5.00 | 5.00 | ..... |
| 2354 | 4.54 | 3.75 | 8.29 | | 2.45 | ..... | 2.41 | | 4.86 | 5.51 | ..... |
| 2355 | 4.31 | 3.98 | 8.29 | | 2.41 | ..... | 2.45 | | 4.86 | 5.53 | ..... |
| ..... | 4.00 | 4.00 | 8.00 | | 2.00 | ..... | 3.00 | | 5.00 | 5.00 | ..... |
| 2468 | 5.64 | 3.56 | 9.20 |  | ..... | ..... | 2.25 | | 2.25 | 7.92 | ..... |
| 2763 | 4.53 | 4.15 | 8.68 |  | ..... | ..... | 2.02 | | 2.02 | 8.31 | ..... |
| ..... | 5.00 | 3.00 | 8.00 |  | ..... | ..... | 2.00 | | 2.00 | 8.00 | ..... |
| 2467 | 6.26 | 3.74 | 10.00 | | 2.13 | 0.10 | 1.90 | | 4.13 | 2.27 | ..... |
| 2530 | 6.30 | 3.20 | 9.50 | | 2.10 | ..... | 2.15 | | 4.25 | 2.21 | ..... |
| 2549 | 7.67 | 2.08 | 9.75 | | 1.89 | ..... | 2.19 | | 4.08 | 2.52 | ..... |
| ..... | 6.00 | 4.00 | 10.00 | | 2.00 | ..... | 2.00 | | 4.00 | 2.00 | ..... |
| 2528 | 7.60 | 3.70 | 11.30 |  | ..... | ..... | 2.97 | | 2.97 | 2.04 | ..... |
| ..... | 6.00 | 4.00 | 10.00 |  | ..... | ..... | 3.00 | | 3.00 | 2.00 | ..... |
| 2559 | 9.35 | 4.95 | 14.30 |  | ..... | ..... | 1.80 | | 1.80 | 4.81 | ..... |
| ..... | 7.00 | 6.00 | 13.00 |  | ..... | ..... | 1.50 | | 1.50 | 5.00 | ..... |
| 2606 | 5.67 | 2.38 | 8.05 | | 2.13 | ..... | 1.92 | | 4.05 | 5.59 | ..... |
| ..... | 5.00 | 3.00 | 8.00 | | 2.00 | ..... | 2.00 | | 4.00 | 5.00 | ..... |
| 2777 | 5.33 | 5.55 | 10.88 | | 0.51 | 0.14 | 2.12 | | 2.77 | 3.02 | ..... |
| 2795 | 5.63 | 4.70 | 10.33 | | 0.43 | ..... | 2.59 | | 3.02 | 2.85 | ..... |
| ..... | 6.00 | 4.00 | 10.00 | | 1.00 | ..... | 2.00 | | 3.00 | 3.00 | ..... |
| 2779 | 5.68 | 3.75 | 9.43 | | 1.71 | ..... | 1.06 | | 2.77 | 4.08 | ..... |
| ..... | 6.00 | 2.00 | 8.00 | | 1.00 | ..... | 2.00 | | 3.00 | 4.00 | ..... |
| 2864 | 5.08 | 2.97 | 8.05 |  | ..... | ..... | 6.76 | | 6.76 | 2.95 | ..... |
| ..... | 5.00 | 3.00 | 8.00 |  | ..... | ..... | 7.00 | | 7.00 | 3.00 | ..... |
| 2356 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 50.00 | ..... | 2.05 |
| ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 50.00 | ..... | ..... |
| 2459 | 16.61 | 2.55 | 19.16 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| 2696 | 17.50 | 0.90 | 18.40 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| 2697 | 17.35 | 1.05 | 18.40 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| 2810 | 16.90 | 0.40 | 17.30 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| ..... | 17.00 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| 2469 | ..... | ..... | 16.35 | ..... | ..... | ..... | 5.36 | ..... | 5.36 | ..... | ..... |
| ..... | ..... | ..... | 13.50 | Bn | ..... | ..... | 5.35 | Bl, Bn | 5.35 | ..... | ..... |

ANALYSES AND VALUATIONS—Continued.

| Laboratory Number | NAME AND ADDRESS OF MANUFACTURER OR DEALER, AND NAME OF BRAND. | | FROM WHOM OBTAINED. | Value per Ton at Station Prices. |
|--|---|--|---------------------|-------------------------------------|
| | | | | |
| | | | | |
| Agricultural Chemical Works— Continued. | | | | |
| 2470* | Tankage | H. F. Dalrymple, Fullerton | 32.89 | |
| | Guaranteed..... | | 30.97 | |
| 2562* | Tankage | C. H. Clock, Redlands | 31.98 | |
| 2563* | Tankage | F. H. Clock, Redlands | 29.56 | |
| 2564* | Tankage | C. L. Clock, Redlands | 30.79 | |
| | Sold on Station Analysis. | | | |
| 2609* | Tankage | G. A. Herdeg, Riverside | 31.28 | |
| | Guaranteed..... | | 31.88 | |
| 2793 | Walnut | Gowen & Willard, Santa Ana | 24.16 | |
| | Guaranteed..... | | 24.50 | |
| American Agricultural Chemical Company, Los Angeles, Cal. | | | | |
| 2327 | Bradley's Lawn | Aggaler & Musser Seed Co., Los Angeles | 29.76 | |
| 2434 | Bradley's Lawn | Pacific Wood and Coal Co., San Diego.... | 28.52 | |
| 2474 | Bradley's Lawn | L. M. Jacobs & Co., Pasadena | 30.05 | |
| 2832 | Bradley's Lawn | Pacific Wood and Coal Co., San Diego.... | 28.82 | |
| | Guaranteed..... | | 28.12 | |
| 2433 | Bradley's Lemon Tree | Pacific Wood and Coal Co., San Diego.... | 29.01 | |
| | Guaranteed..... | | 28.02 | |
| 2373 | Bradley's Nursery Stock | S. H. Barrett, East Highlands | 29.63 | |
| 2391 | Bradley's Nursery Stock | N. W. Blanchard, Santa Paula | 28.99 | |
| 2711 | Bradley's Nursery Stock | R. H. Hille, San Fernando | 29.87 | |
| | Guaranteed..... | | 28.12 | |
| 2374 | Bradley's Nursery Stock | E. E. Harris, Irwindale | 29.51 | |
| 2476 | Bradley's Nursery Stock | W. A. Johnstone, San Dimas | 29.88 | |
| 2487 | Bradley's Nursery Stock | R. S. Thompson, Highland | 29.49 | |
| 2556 | Bradley's Nursery Stock | J. F. Monro, Upland | 28.80 | |
| 2574 | Bradley's Nursery Stock | L. V. W. Brown, Riverside | 29.22 | |
| 2680 | Bradley's Nursery Stock | C. Menefee, Covina | 29.70 | |
| 2710 | Bradley's Nursery Stock | R. H. Hille, San Fernando | 28.96 | |
| 2760 | Bradley's Nursery Stock | J. C. Walters, Covina | 29.98 | |
| | Guaranteed..... | | 28.02 | |
| 2372 | Bradley's Orange and Lemon | F. E. Dudderar, Covina | 29.06 | |
| | Guaranteed..... | | 27.34 | |
| 2557 | Bradley's Orange and Lemon | J. F. Monro, Upland | 29.40 | |
| | Guaranteed..... | | 27.12 | |
| 2371 | California Vegetable | F. E. Dudderar, Covina | 27.90 | |
| 2834 | California Vegetable | Pacific Wood and Coal Co., San Diego.... | 29.41 | |
| | Guaranteed..... | | 26.91 | |
| 2833 | Grain No. 1 | Pacific Wood and Coal Co., San Diego.... | 20.26 | |
| | Guaranteed..... | | 18.52 | |
| 2836 | Grain No. 2 | Pacific Wood and Coal Co., San Diego.... | 23.31 | |
| | Guaranteed..... | | 21.63 | |
| 2835 | Lemon Tree | Pacific Wood and Coal Co., San Diego.... | 30.07 | |
| 2843 | Lemon Tree | San Diego Land & Town Co., Chula Vista | 29.40 | |
| | Guaranteed..... | | 28.02 | |
| 2573 | Nitrate of Soda | L. V. W. Brown, Riverside | 54.91 | |

*2470—81% fine.

*2562—80% fine.

ANALYSES AND VALUATIONS—Continued.

| Laboratory Number. | PHOSPHORIC ACID | | | | NITROGEN | | | | | POTASH | | CHLORIN |
|--------------------|-----------------|------------|--------|-----------------------------|--------------|-------------------|----------|--|--------|---------------|--------|---------|
| | Available. | Insoluble. | Total. | Guaranteed as derived from. | In Nitrates. | In Ammonia Salts. | Organic. | Organic Nitrogen guaranteed as derived from. | Total. | From Sulfate. | Total. | |
| 2470 | ..... | ..... | 11.53 | ..... | ..... | ..... | 6.04 | ..... | 6.04 | ..... | ..... | ..... |
| ..... | ..... | ..... | 12.50 | <i>Bn</i> | ..... | ..... | 5.35 | <i>Bl, Bn</i> | 5.35 | ..... | ..... | ..... |
| 2562 | ..... | ..... | 11.60 | ..... | ..... | ..... | 5.79 | ..... | 5.79 | ..... | ..... | ..... |
| 2563 | ..... | ..... | 13.72 | ..... | ..... | ..... | 4.74 | ..... | 4.74 | ..... | ..... | ..... |
| 2564 | ..... | ..... | 14.35 | ..... | ..... | ..... | 4.90 | ..... | 4.90 | ..... | ..... | ..... |
| 2609 | ..... | ..... | 13.35 | ..... | ..... | ..... | 5.23 | ..... | 5.23 | ..... | ..... | ..... |
| ..... | ..... | ..... | 13.50 | <i>Bn</i> | ..... | ..... | 5.35 | <i>Bl, Bn</i> | 5.35 | ..... | ..... | ..... |
| 2793 | 4.70 | 4.20 | 8.90 | ..... | 1.07 | 0.11 | 1.82 | ..... | 3.00 | 4.17 | ..... | ..... |
| ..... | 6.00 | 2.00 | 8.00 | <i>Supr, T</i> | 1.00 | ..... | 2.00 | <i>Bl, Bn</i> | 3.00 | 4.00 | ..... | ..... |
| 2327 | 9.82 | 1.20 | 11.02 | <i>Bn, Super</i> | 2.34 | 0.63 | 1.23 | <i>Bat G, Bl, Bn, T</i> | 4.21 | 1.65 | ..... | ..... |
| 2434 | 8.47 | 1.58 | 10.05 | | 2.45 | 0.65 | 1.19 | | 4.29 | 1.58 | ..... | ..... |
| 2474 | 9.60 | 1.30 | 10.90 | | 2.22 | 0.64 | 1.44 | | 4.30 | 1.71 | ..... | ..... |
| 2832 | 8.71 | 1.44 | 10.15 | | 2.31 | 0.64 | 1.34 | | 4.29 | 1.59 | ..... | ..... |
| ..... | 9.00 | 1.00 | 10.00 | | 2.35 | 0.50 | 1.25 | | 4.10 | 1.50 | ..... | ..... |
| 2433 | 8.61 | 1.75 | 10.36 | | 2.45 | 0.79 | 1.10 | | 4.34 | 1.66 | ..... | ..... |
| ..... | 9.00 | 1.00 | 10.00 | | 2.35 | 0.75 | 1.00 | | 4.10 | 1.50 | ..... | ..... |
| 2373 | 9.29 | 1.85 | 11.14 | | 2.30 | 0.59 | 1.30 | | 4.19 | 1.82 | ..... | ..... |
| 2391 | 8.97 | 2.08 | 11.05 | | 2.20 | 0.68 | 1.27 | | 4.15 | 1.63 | ..... | ..... |
| 2711 | 9.47 | 1.88 | 11.35 | | 2.17 | 0.67 | 1.36 | | 4.20 | 1.77 | ..... | ..... |
| ..... | 9.00 | 1.00 | 10.00 | | 2.35 | 0.50 | 1.25 | | 4.10 | 1.50 | ..... | ..... |
| 2374 | 9.05 | 1.37 | 10.42 | | 2.57 | 0.72 | 1.06 | | 4.35 | 1.79 | ..... | ..... |
| 2476 | 9.40 | 0.95 | 10.35 | | 2.59 | 0.85 | 1.00 | | 4.44 | 1.67 | ..... | ..... |
| 2487 | 9.25 | 1.30 | 10.55 | | 2.50 | 0.80 | 1.02 | | 4.32 | 1.69 | ..... | ..... |
| 2556 | 8.85 | 1.20 | 10.05 | | 2.29 | 0.80 | 1.16 | | 4.25 | 1.79 | ..... | ..... |
| 2574 | 9.15 | 1.00 | 10.15 | | 2.53 | 0.75 | 1.03 | | 4.31 | 1.73 | ..... | ..... |
| 2680 | 9.52 | 1.25 | 10.77 | | 2.63 | 0.85 | 0.80 | | 4.28 | 1.82 | ..... | ..... |
| 2710 | 9.52 | 1.08 | 10.60 | | 2.22 | 0.95 | 0.92 | | 4.09 | 1.77 | ..... | ..... |
| 2760 | 9.07 | 1.08 | 10.15 | | 2.62 | 0.92 | 0.95 | | 4.49 | 1.90 | ..... | ..... |
| ..... | 9.00 | 1.00 | 10.00 | | 2.35 | 0.75 | 1.00 | | 4.10 | 1.50 | ..... | ..... |
| 2372 | 8.87 | 1.85 | 10.72 | | 2.01 | 0.99 | 0.70 | | 3.70 | 3.42 | ..... | ..... |
| ..... | 8.00 | 1.00 | 9.00 | | 2.00 | 0.40 | 1.30 | | 3.70 | 3.00 | ..... | ..... |
| 2557 | 8.65 | 1.45 | 10.10 | | 2.04 | 1.11 | 0.75 | | 3.90 | 3.46 | ..... | ..... |
| ..... | 8.00 | 1.00 | 9.00 | | 2.20 | 0.70 | 0.80 | | 3.70 | 3.00 | ..... | ..... |
| 2371 | 8.10 | 1.40 | 9.50 | | 1.96 | 0.58 | 0.90 | | 3.44 | 4.11 | ..... | ..... |
| 2834 | 9.22 | 0.68 | 9.90 | | 2.02 | 0.70 | 0.90 | | 3.62 | 4.02 | ..... | ..... |
| ..... | 8.00 | 1.00 | 9.00 | | 1.90 | 0.60 | 0.80 | | 3.30 | 4.00 | ..... | ..... |
| 2833 | 8.35 | 0.80 | 9.15 | | 1.15 | 0.32 | 0.50 | | 1.97 | 2.23 | ..... | ..... |
| ..... | 8.00 | 1.00 | 9.00 | | 0.95 | 0.25 | 0.45 | | 1.65 | 2.00 | ..... | ..... |
| 2836 | 9.00 | 0.45 | 9.45 | | 1.47 | 0.43 | 0.75 | | 2.65 | 2.16 | ..... | ..... |
| ..... | 8.00 | 1.00 | 9.00 | | 1.26 | 0.31 | 0.90 | | 2.47 | 2.00 | ..... | ..... |
| 2835 | 9.66 | 0.84 | 10.50 | | 2.53 | 0.81 | 1.00 | | 4.34 | 1.92 | ..... | ..... |
| 2843 | 9.50 | 1.10 | 10.60 | | 2.57 | 0.85 | 0.80 | | 4.22 | 1.84 | ..... | ..... |
| ..... | 9.00 | 1.00 | 10.00 | | 2.35 | 0.75 | 1.00 | | 4.10 | 1.50 | ..... | ..... |
| 2573 | ..... | ..... | ..... | ..... | 15.69 | ..... | ..... | ..... | 15.69 | ..... | ..... | ..... |

*2563—80% fine.

*2564—83% fine.

*2609—86% fine.

ANALYSES AND VALUATIONS—Continued.

| Laboratory Number. | NAME AND ADDRESS OF MANUFACTURER OR DEALER, AND NAME OF BRAND. | | FROM WHOM OBTAINED. | Value per Ton at Station Prices. |
|--|---|---|---------------------|-------------------------------------|
| | | | | |
| | | | | |
| American Agricultural Chemical Company—Continued. | | | | |
| 2766 | Nitrate of Soda | Chas. Menefee, Covina | | 54.42 |
| | Guaranteed..... | | | 55.37 |
| 2475 | Special Orange and Lemon | L. S. Taylor, San Dimas | | 32.94 |
| | Guaranteed..... | | | 29.10 |
| Arlington Heights Fruit Co., Riverside, Cal. | | | | |
| 2683* | Blood | C. E. Rumsey, Riverside | | 59.30 |
| | Guaranteed..... | | | 58.80 |
| 2808 | Blood | Jas. Mills, Riverside | | 55.27 |
| 2809 | Blood | Jas. Mills, Riverside | | 55.57 |
| | Sold on Station Analysis. | | | |
| 2687 | Whale Blood and Meat | Jas. Mills, Riverside | | 41.74 |
| | Sold on Station Analysis. | | | |
| Armour Fertilizer Works, Los Angeles, Cal. | | | | |
| 2682 | Bat Guano | Rowland & Myers, Charter Oak | | 52.82 |
| 2822* | Bat Guano | San Gabriel Valley Milling Co., Covina.. | | 49.54 |
| | Sold on Station Analysis. | | | |
| 2821 | Bat Guano | Mrs. A. E. Garrett, Covina | | 52.19 |
| | Guaranteed..... | | | 52.77 |
| 2334* | Blood | W. T. Henderson, Riverside | | 58.17 |
| 2482 | Blood | J. E. Allen, Highland | | 59.72 |
| 2631* | Blood | J. C. Boyd, Rialto | | 58.38 |
| | Guaranteed..... | | | 57.75 |
| 2399 | Blood | I. W. Freeman, Redlands | | 57.87 |
| 2510 | Blood | A. M. Seeley, Covina | | 58.63 |
| 2587 | Blood | Arlington Heights Fruit Co., Riverside... | | 54.35 |
| 2600* | Blood | Arlington Heights Fruit Co., Riverside... | | 59.26 |
| 2602* | Blood | Arlington Heights Fruit Co., Riverside... | | 60.48 |
| 2611* | Blood | Russell & Arden, Ontario | | 59.13 |
| 2614* | Blood | Arlington Heights Fruit Co., Riverside... | | 59.22 |
| 2615* | Blood | Arlington Heights Fruit Co., Riverside... | | 59.47 |
| 2616* | Blood | Arlington Heights Fruit Co., Riverside... | | 59.89 |
| 2617* | Blood | Arlington Heights Fruit Co., Riverside... | | 59.89 |
| 2647* | Blood | Arlington Heights Fruit Co., Riverside... | | 60.14 |
| 2707 | Blood | Chas. H. Low, Riverside | | 51.16 |
| 2747* | Blood | Arlington Heights Fruit Co., Riverside... | | 60.27 |
| 2749* | Blood | Arlington Heights Fruit Co., Riverside... | | 59.85 |
| 2750* | Blood | Arlington Heights Fruit Co., Riverside... | | 60.23 |
| | Guaranteed..... | | | 58.80 |
| 2483 | Blood | J. E. Allen, Highland | | 59.72 |
| | Guaranteed..... | | | 55.65 |
| 2490 | Blood | R. T. Murrell, Pomona | | 58.09 |
| | Guaranteed..... | | | 54.60 |

*2683—Some hoof.

*2631—Some hoof.

*2334—Some hoof.

*2600—Some hoof.

*2822—Bat guano mixed with nitrate of soda and some hoof.

ANALYSES AND VALUATIONS—Continued.

| Laboratory Number. | PHOSPHORIC ACID | | | | NITROGEN | | | | | POTASH | | CHLORIN |
|--------------------|-----------------|------------|--------|-----------------------------|--------------|-------------------|----------|--|--------|---------------|--------|---------|
| | Available. | Insoluble. | Total. | Guaranteed as derived from. | In Nitrates. | In Ammonia Salts. | Organic. | Organic Nitrogen guaranteed as derived from. | Total. | From Sulfate. | Total. | |
| 2766 | | | | | 15.55 | ..... | ..... | ..... | 15.55 | ..... | ..... | ..... |
| 2475 | 9.60 | 6.10 | 15.70 | ..... | 15.82 | ..... | ..... | ..... | 15.82 | ..... | ..... | ..... |
| ..... | 8.00 | 7.00 | 15.00 | Supr, T | ..... | ..... | 3.09 | ..... | 3.09 | 5.01 | ..... | ..... |
| | | | | | | | 2.50 | Bat G, Bl, Bn, T | 2.50 | 5.00 | ..... | ..... |
| 2683 | | | | | | | 14.12 | ..... | 14.12 | ..... | ..... | ..... |
| | | | | | | | 14.00 | ..... | 14.00 | ..... | ..... | ..... |
| 2808 | | | | | | | 13.16 | ..... | 13.16 | ..... | ..... | ..... |
| 2809 | | | | | | | 13.23 | ..... | 13.23 | ..... | ..... | ..... |
| 2687 | | | | | | | 10.18 | ..... | 10.18 | ..... | ..... | ..... |
| 2682 | | | 3.10 | ..... | 2.38 | 0.84 | 9.34 | ..... | 12.56 | ..... | 1.32 | ..... |
| 2822 | | | 3.15 | ..... | 7.64 | 0.25 | 4.25 | ..... | 12.14 | ..... | 1.98 | ..... |
| 2821 | | | 3.53 | ..... | 2.36 | 0.82 | 9.15 | ..... | 12.33 | ..... | 1.30 | ..... |
| | | | 3.10 | ..... | 2.38 | 0.84 | 9.34 | ..... | 12.56 | ..... | 1.32 | ..... |
| 2334 | | | | | | | 13.85 | ..... | 13.85 | ..... | ..... | ..... |
| 2482 | | | | | | | 14.22 | ..... | 14.22 | ..... | ..... | ..... |
| 2631 | | | | | | | 13.90 | ..... | 13.90 | ..... | ..... | ..... |
| | | | | | | | 13.75 | ..... | 13.75 | ..... | ..... | ..... |
| 2399 | | | | | | | 13.78 | ..... | 13.78 | ..... | ..... | ..... |
| 2510 | | | | | | | 13.96 | ..... | 13.96 | ..... | ..... | ..... |
| 2587 | | | | | | | 12.94 | ..... | 12.94 | ..... | ..... | ..... |
| 2600 | | | | | | | 14.11 | ..... | 14.11 | ..... | ..... | ..... |
| 2602 | | | | | | | 14.40 | ..... | 14.40 | ..... | ..... | ..... |
| 2611 | | | | | | | 14.08 | ..... | 14.08 | ..... | ..... | ..... |
| 2614 | | | | | | | 14.10 | ..... | 14.10 | ..... | ..... | ..... |
| 2615 | | | | | | | 14.16 | ..... | 14.16 | ..... | ..... | ..... |
| 2616 | | | | | | | 14.26 | ..... | 14.26 | ..... | ..... | ..... |
| 2617 | | | | | | | 14.26 | ..... | 14.26 | ..... | ..... | ..... |
| 2647 | | | | | | | 14.32 | ..... | 14.32 | ..... | ..... | ..... |
| 2707 | | | | | | | 12.42 | ..... | 12.42 | ..... | ..... | ..... |
| 2747 | | | | | | | 14.35 | ..... | 14.35 | ..... | ..... | ..... |
| 2749 | | | | | | | 14.25 | ..... | 14.25 | ..... | ..... | ..... |
| 2750 | | | | | | | 14.34 | ..... | 14.34 | ..... | ..... | ..... |
| | | | | | | | 14.00 | ..... | 14.00 | ..... | ..... | ..... |
| 2483 | | | | | | | 14.22 | ..... | 14.22 | ..... | ..... | ..... |
| | | | | | | | 13.25 | ..... | 13.25 | ..... | ..... | ..... |
| 2490 | | | | | | | 13.83 | ..... | 13.83 | ..... | ..... | ..... |
| | | | | | | | 13.00 | ..... | 13.00 | ..... | ..... | ..... |

*2602—Some hoof.

*2611—Some hoof.

*2614—Some hoof.

*2615—Some hoof.

*2616—Some hoof.

*2617—Some hoof.

*2747—Some hoof.

*2749—Some hoof.

*2750—Some hoof.

*2647—Some hoof.

ANALYSES AND VALUATIONS—Continued.

| Laboratory Number | NAME AND ADDRESS OF MANUFACTURER OR DEALER, AND NAME OF BRAND. | | FROM WHOM OBTAINED. | Value per Ton at Station Prices. |
|---------------------------|--|---|---------------------|----------------------------------|
| | | | | |
| Armour Fertilizer Works— | | | | |
| Continued. | | | | |
| 2547 | Blood | Arlington Heights Fruit Co., Riverside... | 54.18 | |
| 2548 | Blood | Arlington Heights Fruit Co., Riverside... | 53.26 | |
| 2568 | Blood | Arlington Heights Fruit Co., Riverside... | 53.38 | |
| 2569 | Blood | Arlington Heights Fruit Co., Riverside... | 55.27 | |
| 2582 | Blood | Arlington Heights Fruit Co., Riverside... | 54.81 | |
| 2583 | Blood | Arlington Heights Fruit Co., Riverside... | 56.03 | |
| 2601* | Blood | Arlington Heights Fruit Co., Riverside... | 59.30 | |
| 2865 | Blood | Chas. H. Low, Riverside | 56.78 | |
| Sold on Station Analysis. | | | | |
| 2335* | Bone Meal | W. T. Henderson, Riverside | 28.04 | |
| 2400* | Bone Meal | I. W. Freeman, Redlands | 28.67 | |
| 2461* | Bone Meal | John Blake, Pasadena | 28.73 | |
| 2511* | Bone Meal | A. M. Seeley, Covina | 27.60 | |
| 2552* | Bone Meal | Dean Hardware Co., Fullerton | 31.10 | |
| 2570* | Bone Meal | Chas. H. Low, Riverside | 28.65 | |
| 2584* | Bone Meal | Chas. H. Low, Riverside | 28.49 | |
| 2626* | Bone Meal | Russell & Arden, Ontario | 26.99 | |
| 2772* | Bone Meal | Azusa Foothills Citrus Assn., Azusa..... | 29.30 | |
| 2773* | Bone Meal | Azusa Foothills Citrus Assn., Azusa..... | 28.70 | |
| | Guaranteed..... | | 27.15 | |
| 2604* | Bone Meal | W. T. Henderson, Riverside | 29.98 | |
| | Guaranteed..... | | 28.80 | |
| 2642* | Bone Meal (floats) | J. C. Boyd, Rialto | 27.49 | |
| | Guaranteed..... | | 27.40 | |
| 2670* | Bone Meal | I. W. Freeman, Redlands | 30.51 | |
| | Guaranteed..... | | 29.90 | |
| 2679* | Bone Meal | A. M. Seeley, Covina | 31.91 | |
| | Guaranteed..... | | 27.05 | |
| 2839* | Bone Meal (floats) | N. P. Greene, San Diego | 29.09 | |
| | Guaranteed..... | | 27.32 | |
| 2336 | Bone, Blood and Potash | W. T. Henderson, Riverside | 35.39 | |
| 2505 | Bone, Blood and Potash | R. T. Murrell, Pomona | 34.61 | |
| 2512 | Bone, Blood and Potash | A. M. Seeley, Covina | 34.51 | |
| 2597 | Bone, Blood and Potash | Kenneth Carter, Duarte | 34.47 | |
| 2627 | Bone, Blood and Potash | Russell & Arden, Ontario | 33.82 | |
| | Guaranteed..... | | 34.25 | |
| 2394 | Bone, Blood and Potash | I. W. Freeman, Redlands | 35.83 | |
| | Guaranteed..... | | 34.10 | |
| 2598 | Fruit and Vine | C. E. Connant, El Centro | 29.08 | |
| 2666 | Fruit and Vine | I. W. Freeman, Redlands | 29.20 | |
| | Guaranteed..... | | 27.70 | |
| 2462 | Lawn and Garden | John Blake, Pasadena | 26.61 | |
| | Guaranteed..... | | 25.35 | |
| 2337 | Nitrate of Soda | W. T. Henderson, Riverside | 54.25 | |
| 2486 | Nitrate of Soda | J. E. Allen, Highland | 53.83 | |
| 2521 | Nitrate of Soda | A. M. Seeley, Covina | 55.12 | |

*2601—Some hoof.

*2335—67% fine.

*2400—69% fine.

*2461—68% fine.

*2511—69% fine.

*2552—59% fine.

*2570—69% fine.

*2584—68% fine.

ANALYSES AND VALUATIONS—Continued.

| Laboratory Number. | PHOSPHORIC ACID | | | | NITROGEN | | | | | POTASH | | CHLORIN |
|--------------------|-----------------|------------|--------|-----------------------------|--------------|-------------------|----------|--|--------|---------------|--------|---------|
| | Available. | Insoluble. | Total. | Guaranteed as derived from. | In Nitrates. | In Ammonia Salts. | Organic. | Organic Nitrogen guaranteed as derived from. | Total. | From Sulfate. | Total. | |
| 2547 | ..... | ..... | ..... | ..... | ..... | ..... | 12.90 | ..... | 12.90 | ..... | ..... | ..... |
| 2548 | ..... | ..... | ..... | ..... | ..... | ..... | 12.68 | ..... | 12.68 | ..... | ..... | ..... |
| 2568 | ..... | ..... | ..... | ..... | ..... | ..... | 12.71 | ..... | 12.71 | ..... | ..... | ..... |
| 2569 | ..... | ..... | ..... | ..... | ..... | ..... | 13.16 | ..... | 13.16 | ..... | ..... | ..... |
| 2582 | ..... | ..... | ..... | ..... | ..... | ..... | 13.05 | ..... | 13.05 | ..... | ..... | ..... |
| 2583 | ..... | ..... | ..... | ..... | ..... | ..... | 13.34 | ..... | 13.34 | ..... | ..... | ..... |
| 2601 | ..... | ..... | ..... | ..... | ..... | ..... | 14.12 | ..... | 14.12 | ..... | ..... | ..... |
| 2865 | ..... | ..... | ..... | ..... | ..... | ..... | 13.52 | ..... | 13.52 | ..... | ..... | ..... |
| 2335 | ..... | ..... | 21.80 | ..... | ..... | ..... | 2.79 | ..... | 2.79 | ..... | ..... | ..... |
| 2400 | ..... | ..... | 22.66 | ..... | ..... | ..... | 2.76 | ..... | 2.76 | ..... | ..... | ..... |
| 2461 | ..... | ..... | 23.55 | ..... | ..... | ..... | 2.59 | ..... | 2.59 | ..... | ..... | ..... |
| 2511 | ..... | ..... | 22.95 | ..... | ..... | ..... | 2.42 | ..... | 2.42 | ..... | ..... | ..... |
| 2552 | ..... | ..... | 22.65 | ..... | ..... | ..... | 3.49 | ..... | 3.49 | ..... | ..... | ..... |
| 2570 | ..... | ..... | 23.40 | ..... | ..... | ..... | 2.60 | ..... | 2.60 | ..... | ..... | ..... |
| 2584 | ..... | ..... | 24.35 | ..... | ..... | ..... | 2.36 | ..... | 2.36 | ..... | ..... | ..... |
| 2626 | ..... | ..... | 22.90 | ..... | ..... | ..... | 2.27 | ..... | 2.27 | ..... | ..... | ..... |
| 2772 | ..... | ..... | 23.55 | ..... | ..... | ..... | 2.74 | ..... | 2.74 | ..... | ..... | ..... |
| 2773 | ..... | ..... | 23.65 | ..... | ..... | ..... | 2.56 | ..... | 2.56 | ..... | ..... | ..... |
| ..... | ..... | ..... | 22.00 | ..... | ..... | ..... | 2.50 | ..... | 2.50 | ..... | ..... | ..... |
| 2604 | ..... | ..... | 25.00 | ..... | ..... | ..... | 2.60 | ..... | 2.60 | ..... | ..... | ..... |
| ..... | ..... | ..... | 24.00 | ..... | ..... | ..... | 2.50 | ..... | 2.50 | ..... | ..... | ..... |
| 2642 | ..... | ..... | 21.50 | ..... | ..... | ..... | 2.51 | ..... | 2.51 | ..... | ..... | ..... |
| ..... | ..... | ..... | 24.00 | ..... | ..... | ..... | 2.00 | ..... | 2.00 | ..... | ..... | ..... |
| 2670 | ..... | ..... | 25.70 | ..... | ..... | ..... | 2.62 | ..... | 2.62 | ..... | ..... | ..... |
| ..... | ..... | ..... | 25.50 | ..... | ..... | ..... | 2.50 | ..... | 2.50 | ..... | ..... | ..... |
| 2679 | ..... | ..... | 26.00 | ..... | ..... | ..... | 2.94 | ..... | 2.94 | ..... | ..... | ..... |
| ..... | ..... | ..... | 22.00 | ..... | ..... | ..... | 2.50 | ..... | 2.50 | ..... | ..... | ..... |
| 2839 | ..... | ..... | 21.90 | ..... | ..... | ..... | 2.85 | ..... | 2.85 | ..... | ..... | ..... |
| ..... | ..... | ..... | 24.00 | ..... | ..... | ..... | 2.00 | ..... | 2.00 | ..... | ..... | ..... |
| 2336 | 8.01 | 2.45 | 10.46 | <i>Bn, G, Super</i> | 1.75 | 0.25 | 2.22 | <i>Bl, Bn, G, T</i> | 4.22 | 7.20 | ..... | ..... |
| 2505 | 9.20 | 1.40 | 10.60 | | 1.88 | ..... | 2.00 | | 3.88 | 6.91 | ..... | ..... |
| 2512 | 9.40 | 1.25 | 10.65 | | 1.62 | 0.12 | 2.14 | | 3.88 | 6.62 | ..... | ..... |
| 2597 | 8.65 | 1.45 | 10.10 | | 1.60 | 0.20 | 2.25 | | 4.05 | 6.70 | ..... | 0.62 |
| 2627 | 9.65 | 0.73 | 10.38 | | 2.03 | 0.35 | 1.20 | | 3.58 | 7.26 | ..... | ..... |
| ..... | 8.00 | 2.00 | 10.00 | | 1.50 | ..... | 2.50 | | 4.00 | 7.00 | ..... | ..... |
| 2394 | 8.84 | 1.37 | 10.21 | | 1.20 | 1.18 | 1.85 | | 4.23 | 7.24 | ..... | ..... |
| ..... | 8.00 | 2.00 | 10.00 | | 1.00 | 1.00 | 2.00 | | 4.00 | 7.00 | ..... | ..... |
| 2598 | 6.75 | 1.90 | 8.65 | | 0.46 | 0.59 | 1.06 | | 2.11 | 10.05 | ..... | 0.77 |
| 2666 | 8.15 | 0.75 | 8.90 | | 0.88 | 0.15 | 1.02 | | 2.05 | 9.45 | ..... | ..... |
| ..... | 6.00 | 2.00 | 8.00 | | 1.00 | ..... | 1.00 | | 2.00 | 10.00 | ..... | ..... |
| 2462 | 4.61 | 0.97 | 5.58 | <i>Bn, G, Super</i> | 1.73 | 0.18 | 2.15 | <i>Bl, Bn, G, T</i> | 4.06 | 4.41 | ..... | 0.65 |
| ..... | 4.00 | 1.00 | 5.00 | | 1.50 | ..... | 2.50 | | 4.00 | 4.00 | ..... | ..... |
| 2337 | ..... | ..... | ..... |  | 15.50 | ..... | ..... |  | 15.50 | ..... | ..... | ..... |
| 2486 | ..... | ..... | ..... |  | 15.38 | ..... | ..... |  | 15.38 | ..... | ..... | ..... |
| 2521 | ..... | ..... | ..... | ..... | 15.75 | ..... | ..... | ..... | 15.75 | ..... | ..... | ..... |

*2626—68% fine.

*2772—68% fine.

*2773—68% fine.

*2604—72% fine.

*2642—98% fine.

*2670—66% fine.

*2679—64% fine.

*2839—96% fine.

ANALYSES AND VALUATIONS—Continued.

| Laboratory Number. | NAME AND ADDRESS OF MANUFACTURER OR DEALER, AND NAME OF BRAND. | | FROM WHOM OBTAINED. | Value per Ton at Station Prices. |
|--|---|--|---|-------------------------------------|
| | | | | |
| | | | | |
| Armour Fertilizer Works— Continued. | | | | |
| 2610 | Nitrate of Soda | | Russell & Arden, Ontario | 52.67 |
| 2641 | Nitrate of Soda | | J. C. Boyd, Rialto | 53.97 |
| 2648 | Nitrate of Soda | | A. M. Seeley, Covina | 53.34 |
| 2668 | Nitrate of Soda | | I. W. Freeman, Redlands | 53.23 |
| 2716 | Nitrate of Soda | | W. S. Shoemaker, San Fernando | 53.93 |
| | Guaranteed..... | | | 52.50 |
| 2396 | Orange Tree Manure | | I. W. Freeman, Redlands | 28.30 |
| 2463 | Orange Tree Manure | | John Blake, Pasadena | 27.73 |
| 2553 | Orange Tree Manure | | Dean Hardware Co., Fullerton | 28.32 |
| | Guaranteed..... | | | 26.72 |
| 2485 | Orange Tree Manure | | J. E. Allen, Highland | 29.13 |
| 2506 | Orange Tree Manure | | R. T. Murrell, Pomona | 28.11 |
| 2603 | Orange Tree Manure | | W. T. Henderson, Riverside | 27.35 |
| | Guaranteed..... | | | 26.65 |
| 2357 | Special | | I. W. Freeman, Redlands | 30.96 |
| | Guaranteed..... | | | 29.75 |
| 2375 | Special | | I. W. Freeman | 29.66 |
| | Guaranteed..... | | | 29.05 |
| 2381 | Special | | J. A. McKinney, Colton | 37.14 |
| 2398 | Special | | C. R. Paine, Redlands | 34.56 |
| | Guaranteed..... | | | 33.80 |
| 2515 | Special | | A. M. Seeley, Covina | 40.60 |
| | Guaranteed..... | | | 37.56 |
| 2518 | Special | | A. M. Seeley, Covina | 30.05 |
| | Guaranteed..... | | | 29.08 |
| 2520* | Special | | A. M. Seeley, Covina | 41.81 |
| | Guaranteed..... | | | 39.49 |
| 2651 | Special | | A. M. Seeley, Covina | 42.44 |
| | Guaranteed..... | | | 41.80 |
| 2667 | Special | | I. W. Freeman, Redlands | 34.77 |
| | Guaranteed..... | | | 33.60 |
| 2681 | Special | | A. M. Seeley, Covina | 43.97 |
| | Guaranteed..... | | | 43.90 |
| 2759 | Special | | H. L. Hostetler, Covina | 34.28 |
| | Guaranteed..... | | | 33.76 |
| 2649 | Special | | A. M. Seeley, Covina | 39.21 |
| | Guaranteed..... | | | 37.72 |
| 2338 | Special 5-8-2 | | W. T. Henderson, Riverside | 28.54 |
| 2436 | Special 5-8-2 | | Santiago Orange Growers Assn., Orange | 29.01 |
| 2460 | Special 5-8-2 | | John Blake, Pasadena | 28.65 |
| 2514 | Special 5-8-2 | | A. M. Seeley, Covina | 29.99 |
| 2612 | Special 5-8-2 | | Russell & Arden, Ontario | 29.22 |
| | Guaranteed..... | | | 28.00 |
| 2397 | Special 5-8-2 | | I. W. Freeman, Redlands | 30.37 |
| 2507 | Special 5-8-2 | | R. T. Murrell, Pomona | 30.15 |

*2520—84% fine.

ANALYSES AND VALUATIONS—Continued.

POUNDS PER HUNDRED.

| Laboratory Number | PHOSPHORIC ACID | | | | NITROGEN | | | | | POTASH | | CHLORIN | | |
|-------------------|-----------------|------------|--------|-----------------------------|---------------------|-------------------|----------|--|--------|---------------------|--------|---------|--|------|
| | Available. | Insoluble. | Total. | Guaranteed as derived from. | In Nitrates. | In Ammonia Salts. | Organic. | Organic Nitrogen guaranteed as derived from. | Total. | From Sulfate. | Total. | | | |
| 2610 | | | | | 15.05 | | | | 15.05 | | | | | |
| 2641 | | | | | 15.42 | | | | 15.42 | | | | | |
| 2648 | | | | | 15.24 | | | | 15.24 | | | | | |
| 2668 | | | | | 15.21 | | | | 15.21 | | | | | |
| 2716 | | | | | 15.41 | | | | 15.41 | | | | | |
| | | | | | 15.00 | | | | 15.00 | | | | | |
| 2396 | 8.29 | 2.39 | 10.68 | } <i>Bn, G, Super</i> | 0.80 | 0.85 | 1.60 | } <i>Bl, Bn, G, T</i> | 3.25 | 4.08 | | | | |
| 2463 | 8.05 | 2.75 | 10.80 | | 1.31 | 0.46 | 1.35 | | 3.12 | 4.21 | | 0.87 | | |
| 2553 | 8.85 | 1.95 | 10.80 | | 0.77 | 1.00 | 1.41 | | 3.18 | 3.98 | | 0.60 | | |
| | 8.00 | 2.00 | 10.00 | | 0.75 | 0.75 | 1.50 | | 3.00 | 4.00 | | | | |
| 2485 | 9.08 | 1.67 | 10.75 | | 1.38 | 0.40 | 1.49 | | 3.27 | 4.31 | | | | |
| 2506 | 8.93 | 2.00 | 10.93 | } <i>Bn, G, Super</i> | 1.77 | 0.18 | 1.18 | } <i>Bl, Bn, G, T</i> | 3.13 | 4.10 | | | | |
| 2603 | 8.53 | 2.05 | 10.58 | | 1.58 | 0.18 | 1.30 | | 3.06 | 3.92 | | | | |
| | 8.00 | 2.00 | 10.00 | | 1.50 | | 1.50 | | 3.00 | 4.00 | | | | |
| 2357 | 5.79 | 5.14 | 10.93 | | 1.89 | 0.15 | 2.03 | | 4.07 | 5.14 | | 0.65 | | |
| | 5.00 | 5.00 | 10.00 | | <i>Bn, Supr</i> | 1.50 | | | 2.50 | <i>Bl, Bn, T</i> | 4.00 | 5.00 | | |
| 2375 | 5.59 | 5.41 | 11.00 | } <i>Bn, Supr</i> | 2.38 | 0.17 | 2.28 | } <i>Bl, Bn, T</i> | 4.83 | 1.82 | | | | |
| | 5.00 | 5.00 | 10.00 | | <i>Bn, Supr</i> | 2.50 | | | 2.50 | <i>Bl, Bn, T</i> | 5.00 | 1.50 | | |
| 2381 | | | 17.17 | | | | | | 2.84 | | 2.84 | 9.80 | | |
| 2398 | | | 17.92 | | | | | | 1.92 | | 1.92 | 10.46 | | |
| | | | 17.60 | | <i>Bn</i> | | | | 2.00 | <i>Bn</i> | 2.00 | 9.60 | | |
| 2515 | | | 11.87 | } <i>Bn, Supr</i> | 2.26 | 1.60 | 3.56 | } <i>Bl, Bn, T</i> | 7.42 | 2.66 | | | | |
| | | | 10.50 | | <i>Bn, Supr</i> | 2.25 | 1.50 | | 3.25 | <i>Bl, Bn, T</i> | 7.00 | 2.40 | | |
| 2518 | | | 20.70 | | | | | | 2.44 | | 2.44 | 3.11 | | |
| | | | 20.90 | | <i>Bn</i> | | | | 2.37 | <i>Bn</i> | 2.37 | 2.40 | | |
| 2520 | | | 11.52 | | | | | | 8.23 | | 8.23 | | | |
| | | | 11.00 | <i>Bn</i> | | | 7.75 | <i>Bl, Bn, T</i> | 7.75 | | | | | |
| 2651 | | | 13.55 | } <i>Bn, Supr</i> | | | 7.90 | } <i>Bl, Bn, T</i> | 7.90 | | | | | |
| | | | 13.50 | | <i>Bn, Supr</i> | | | | 7.75 | <i>Bl, Bn, T</i> | 7.75 | | | |
| 2667 | | | 17.30 | | | | | | 2.25 | | 2.25 | 9.94 | | |
| | | | 17.00 | | <i>Bn</i> | | | | 2.00 | <i>Bn</i> | 2.00 | 10.00 | | |
| 2681 | | | 5.70 | | | 6.36 | 0.40 | | 3.24 | | 10.00 | 2.29 | | 0.65 |
| | | | 5.00 | <i>Bn, G</i> | 5.00 | | 5.00 | <i>Bl, Bn, G, T</i> | 10.00 | 2.00 | | | | |
| 2759 | 10.05 | 0.85 | 10.90 | } <i>Bn, G, Super</i> | 1.73 | 0.20 | 2.86 | } <i>Bl, Bn, G, T</i> | 4.79 | 2.99 | | | | |
| | 9.90 | | | | <i>Bn, G, Super</i> | 2.00 | | | 3.00 | <i>Bl, Bn, G, T</i> | 5.00 | 2.40 | | |
| 2649 | | | 9.85 | | | 3.74 | 0.25 | | 3.38 | | 7.37 | 3.18 | | 0.88 |
| | | | 10.00 | | <i>Bn, G, Super</i> | 2.87 | 0.50 | | 3.75 | <i>Bl, Bn, G, T</i> | 7.12 | 2.40 | | |
| 2338 | 8.06 | 2.75 | 10.81 | | | 2.61 | 0.20 | | 1.22 | | 4.03 | 2.31 | | |
| 2436 | 8.45 | 2.45 | 10.90 | | 2.21 | 0.22 | 1.65 | | 4.08 | 2.10 | | | | |
| 2460 | 8.16 | 2.52 | 10.68 | | 1.98 | 0.22 | 1.80 | | 4.00 | 2.23 | | | | |
| 2514 | 9.25 | 1.75 | 11.00 | | 2.33 | 0.20 | 1.66 | | 4.19 | 2.08 | | | | |
| 2612 | 9.00 | 1.83 | 10.83 | | 2.18 | 0.20 | 1.67 | | 4.05 | 2.06 | | | | |
| | 8.00 | 2.00 | 10.00 | <i>Bn, G, Super</i> | 2.00 | | 2.00 | <i>Bl, Bn, G, T</i> | 4.00 | 2.00 | | | | |
| 2397 | 8.37 | 2.51 | 10.88 | | 1.82 | 0.15 | 2.31 | | 4.28 | 2.43 | | | | |
| 2507 | 9.95 | 1.00 | 10.95 | | 1.65 | 0.14 | 2.20 | | 3.99 | 2.19 | | | | |

ANALYSES AND VALUATIONS—Continued.

| Laboratory Number | NAME AND ADDRESS OF MANUFACTURER OR DEALER, AND NAME OF BRAND. | | FROM WHOM OBTAINED. | Value per Ton at Station Prices. |
|--------------------------|---|-------------------------------|---------------------|-------------------------------------|
| | | | | |
| | | | | |
| Armour Fertilizer Works— | | | | |
| Continued. | | | | |
| 2519 | Special 5-8-2 | A. M. Seeley, Covina | 29.87 | |
| 2656 | Special 5-8-2 | J. E. Allen, Highland | 29.91 | |
| 2674 | Special 5-8-2 | A. M. Seeley, Covina | 27.99 | |
| | Guaranteed | | 28.25 | |
| 2484 | Special 5-8-2 | J. E. Allen, Highland | 30.38 | |
| | Guaranteed | | 28.40 | |
| 2395 | Sulfate of Potash | I. W. Freeman, Redlands | 58.70 | |
| 2431. | Sulfate of Potash | Sparr Fruit Co., Los Angeles | 61.48 | |
| 2625 | Sulfate of Potash | Russell & Arden, Ontario | 59.23 | |
| 2838 | Sulfate of Potash | H. P. Greene, San Diego | 57.93 | |
| | Guaranteed | | 57.60 | |
| 2513 | Superphosphate | A. M. Seeley, Covina | 21.54 | |
| | Guaranteed | | 20.40 | |
| 2339* | Tankage | W. T. Henderson, Riverside | 34.32 | |
| | Guaranteed | | 30.98 | |
| 2358* | Tankage | I. W. Freeman, Redlands | 33.76 | |
| | Guaranteed | | 31.19 | |
| 2489* | Tankage | R. T. Murrell, Pomona | 27.67 | |
| | Guaranteed | | 30.56 | |
| 2613* | Tankage | Russell & Arden, Ontario | 30.51 | |
| 2640* | Tankage | I. W. Freeman, Redlands | 28.10 | |
| 2717* | Tankage | W. S. Shoemaker, San Fernando | 29.90 | |
| | Guaranteed | | 29.67 | |
| 2650* | Tankage | A. M. Seeley, Covina | 29.74 | |
| 2754* | Tankage | H. W. Lang, San Bernardino | 30.51 | |
| | Guaranteed | | 29.57 | |
| 2688* | Tankage | Dr. John Hewitson, Riverside | 29.87 | |
| | Guaranteed | | 29.47 | |
| 2669* | Tankage | I. W. Freeman, Redlands | 51.68 | |
| | Guaranteed | | 51.00 | |
| 2718* | Tankage | W. S. Shoemaker, San Fernando | 32.55 | |
| | Guaranteed | | 30.25 | |
| 2891* | Tankage | G. J. Reynolds, Covina | 36.35 | |
| | Guaranteed | | 33.72 | |
| Balfour, Guthrie & Co., | | | | |
| San Francisco, Cal. | | | | |
| 2392 | Nitrate of Soda | Sparr Fruit Co., Los Angeles | 54.53 | |
| | Guaranteed | | 52.50 | |

*2339—80% fine.

*2358—84% fine.

*2489—71% fine.

*2613—78% fine.

*2640—78% fine.

*2717—77% fine.

ANALYSIS AND VALUATIONS—Continued.

| Laboratory Number. | PHOSPHORIC ACID | | | | NITROGEN | | | | | POTASH | | CHLORIN |
|--------------------|-----------------|------------|-------------|-----------------------------|--------------|-------------------|----------|--|-------------|---------------|--------|---------|
| | Available. | Insoluble. | Total. | Guaranteed as derived from. | In Nitrates. | In Ammonia Salts. | Organic. | Organic Nitrogen guaranteed as derived from. | Total. | From Sulfate. | Total. | |
| 2519 | 8.95 | 1.03 | 9.98 | ..... | 1.68 | 0.18 | 2.34 | ..... | 4.20 | 2.27 | ..... | ..... |
| 2656 | 8.90 | 1.35 | 10.25 | ..... | 1.70 | 0.20 | 2.22 | ..... | 4.12 | 2.35 | ..... | ..... |
| 2674 | 8.95 | 1.90 | 10.85 | ..... | 1.64 | 0.35 | 1.65 | ..... | 3.64 | 2.25 | ..... | ..... |
| ..... | 8.00 | 2.00 | 10.00 | <i>Bn, G, Super</i> | 1.50 | ..... | 2.50 | <i>Bl, Bn, G, T</i> | 4.00 | 2.00 | ..... | ..... |
| 2484 | 8.95 | 1.20 | 10.15 | ..... | 1.78 | 0.15 | 2.34 | ..... | 4.27 | 2.43 | ..... | ..... |
| ..... | 8.00 | 2.00 | 10.00 | <i>Bn, G, Super</i> | ..... | 1.50 | 2.50 | <i>Bl, Bn, G, T</i> | 4.00 | 2.00 | ..... | ..... |
| 2395 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 48.92 | ..... | 1.70 |
| 2431 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 51.24 | ..... | 0.84 |
| 2625 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 49.36 | ..... | 1.40 |
| 2838 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 48.28 | ..... | 2.90 |
| ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 48.00 | ..... | ..... |
| 2513 | 17.95 | 0.40 | 18.35 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| ..... | 17.00 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| 2339 | ..... | ..... | 15.31 | ..... | ..... | ..... | 5.63 | ..... | 5.63 | ..... | ..... | ..... |
| ..... | ..... | ..... | 13.00 | <i>Bn</i> | ..... | ..... | 5.25 | <i>Bl, Bn</i> | 5.25 | ..... | ..... | ..... |
| 2358 | ..... | ..... | 12.01 | ..... | ..... | ..... | 6.10 | ..... | 6.10 | ..... | ..... | ..... |
| ..... | ..... | ..... | 13.00 | <i>Bn</i> | ..... | ..... | 5.25 | <i>Bl, Bn</i> | 5.25 | ..... | ..... | ..... |
| 2489 | ..... | ..... | 9.88 | ..... | ..... | ..... | 5.15 | ..... | 5.15 | ..... | ..... | ..... |
| ..... | ..... | ..... | 13.00 | <i>Bn</i> | ..... | ..... | 5.25 | <i>Bl, Bn</i> | 5.25 | ..... | ..... | ..... |
| 2613 | ..... | ..... | 12.30 | ..... | ..... | ..... | 5.30 | ..... | 5.30 | ..... | ..... | ..... |
| 2640 | ..... | ..... | 11.78 | ..... | ..... | ..... | 4.79 | ..... | 4.79 | ..... | ..... | ..... |
| 2717 | ..... | ..... | 12.47 | ..... | ..... | ..... | 5.11 | ..... | 5.11 | ..... | ..... | ..... |
| ..... | ..... | ..... | 11.50 | <i>Bn</i> | ..... | ..... | 5.25 | <i>Bl, Bn</i> | 5.25 | ..... | ..... | ..... |
| 2650 | ..... | ..... | 12.20 | ..... | ..... | ..... | 5.15 | ..... | 5.15 | ..... | ..... | ..... |
| 2754 | ..... | ..... | 12.05 | ..... | ..... | ..... | 5.38 | ..... | 5.38 | ..... | ..... | ..... |
| ..... | ..... | ..... | 11.50 | <i>Bn</i> | ..... | ..... | 5.25 | <i>Bl, Bn</i> | 5.25 | ..... | ..... | ..... |
| 2688 | ..... | ..... | 11.43 | ..... | ..... | ..... | 5.37 | ..... | 5.37 | ..... | ..... | ..... |
| ..... | ..... | ..... | 11.50 | <i>Bn</i> | ..... | ..... | 5.25 | <i>Bl, Bn</i> | 5.25 | ..... | ..... | ..... |
| 2669 | ..... | ..... | ..... | ..... | ..... | ..... | 12.92 | ..... | 12.92 | ..... | ..... | ..... |
| ..... | ..... | ..... | ..... | ..... | ..... | ..... | 12.75 | ..... | 12.75 | ..... | ..... | ..... |
| 2718 | ..... | ..... | 15.50 | ..... | ..... | ..... | 5.33 | ..... | 5.33 | ..... | ..... | ..... |
| ..... | ..... | ..... | 13.00 | <i>Bn</i> | ..... | ..... | 5.25 | <i>Bl, Bn</i> | 5.25 | ..... | ..... | ..... |
| 2891 | ..... | ..... | 8.47 | ..... | ..... | ..... | 7.87 | ..... | 7.87 | ..... | ..... | ..... |
| ..... | ..... | ..... | 4.04 | <i>Bn</i> | ..... | ..... | 8.11 | <i>Bl, Bn</i> | 8.11 | ..... | ..... | ..... |
| 2392 | ..... | ..... | ..... | ..... | 15.58 | ..... | ..... | ..... | 15.58 | ..... | ..... | ..... |
| ..... | ..... | ..... | ..... | ..... | 15.00 | ..... | ..... | ..... | 15.00 | ..... | ..... | ..... |

*2650—76% fine.

*2754—76% fine.

*2688—73% fine.

*2669—Stick.

*2718—65% fine.

*2891—63% fine.

ANALYSES AND VALUATIONS—Continued.

| Laboratory Number | NAME AND ADDRESS OF MANUFACTURER OR DEALER, AND NAME OF BRAND. | | FROM WHOM OBTAINED. | Value per Ton at Station Prices. |
|---|---|---|---------------------|-------------------------------------|
| | | | | |
| | | | | |
| Bloomington Fruit Association, Bloomington, Cal. | | | | |
| 2706* | Bone Meal | M. M. Seabolt, Bloomington | 34.43 | |
| | Guaranteed..... | | 31.69 | |
| 2690 | Nitrate of Soda | Bloomington Fruit Assn., Bloomington.... | 53.55 | |
| | Guaranteed..... | | 52.50 | |
| 2806* | Salmon Scrap | Bloomington T. & L. Co., Bloomington.... | 37.46 | |
| | Guaranteed..... | | 38.62 | |
| 2689 | Whale Blood and Meat | Bloomington Fruit Assn., Bloomington.... | 41.20 | |
| | Guaranteed..... | | 42.80 | |
| Braun Chemical Co., Los Angeles, Cal. | | | | |
| 2878 | Bat Guano | J. E. Shaw, Riverside | 34.96 | |
| 2879 | Bat Guano | J. E. Shaw, Riverside | 33.26 | |
| | Sold on Station Analysis. | | | |
| 2867* | Bone Flour | Whittier Citrus Assn., Whittier | 27.14 | |
| | Guaranteed..... | | 27.42 | |
| 2451 | Nitrate of Soda | Southern Cal. Fertilizer Co., Ontario | 54.14 | |
| 2478 | Nitrate of Soda | Glendora Citrus Assn., Glendora | 53.65 | |
| 2831 | Nitrate of Soda | F. M. Reed, Riverside | 54.53 | |
| 2844 | Nitrate of Soda | G. F. Rhoades, Chula Vista | 54.42 | |
| 2868 | Nitrate of Soda | Whittier Citrus Assn, Whittier | 53.65 | |
| | Guaranteed..... | | 52.50 | |
| 2329 | Sulfate of Potash | F. W. Braun, Los Angeles | 58.89 | |
| 2424 | Sulfate of Potash | Redlands Fruit Assn., Redlands | 58.60 | |
| 2691 | Sulfate of Potash | Bloomington Fruit Assn., Bloomington.... | 59.23 | |
| 2871 | Sulfate of Potash | J. L. Schowalter, Upland | 58.40 | |
| | Guaranteed..... | | 54.00 | |
| 2845 | Superphosphate | J. C. Davidson, Chula Vista | 21.66 | |
| 2860 | Superphosphate | Highland Orange Growers Assn., Highland | 20.50 | |
| | Guaranteed..... | | 20.40 | |
| 2723* | Tankage | Mrs. A. M. Maddock, Duarte | 33.35 | |
| | Guaranteed..... | | 36.79 | |
| 2848* | Tankage | E. B. Radbaugh, Duarte | 33.51 | |
| | Guaranteed..... | | 37.05 | |
| 2857* | Tankage | J. C. Wright, Azusa | 34.21 | |
| 2858* | Tankage | W. A. Atkinson, Azusa | 33.68 | |
| | Guaranteed..... | | 34.73 | |
| 2859* | Tankage | Riverside Heights O. G. Assn., Riverside | 41.18 | |
| | Guaranteed..... | | 39.34 | |
| 2866* | Tankage | Riverside Heights O. G. Assn., Riverside | 38.95 | |
| | Guaranteed..... | | 39.21 | |
| 2886* | Tankage | Whittier Citrus Assn., Whittier | 41.63 | |
| | Guaranteed..... | | 39.50 | |
| 2895* | Tankage | Bloomington Fruit Assn., Bloomington.... | 30.65 | |
| | Guaranteed..... | | 38.80 | |

*2706—63% fine.

*2806—56% fine.

*2867—97% fine.

*2723—79% fine.

ANALYSES AND VALUATIONS—Continued.

| Laboratory Number. | PHOSPHORIC ACID | | | | NITROGEN | | | | POTASH | | CHLORIN |
|--------------------|-----------------|------------|--------|-----------------------------|--------------|-------------------|----------|--|---------------|--------|---------|
| | Available. | Insoluble. | Total. | Guaranteed as derived from. | In Nitrates. | In Ammonia Salts. | Organic. | Organic Nitrogen guaranteed as derived from. | From Sulfate. | Total. | |
| 2706 | | | 26.35 | ..... | ..... | ..... | 3.55 | ..... | 3.55 | ..... | ..... |
| | | | 26.08 | ..... | ..... | ..... | 2.88 | ..... | 2.88 | ..... | ..... |
| 2690 | | | | | 15.30 | ..... | ..... | ..... | 15.30 | ..... | ..... |
| | | | | | 15.00 | ..... | ..... | ..... | 15.00 | ..... | ..... |
| 2806 | | | 8.30 | ..... | ..... | ..... | 8.33 | ..... | 8.33 | ..... | ..... |
| | | | 8.65 | ..... | ..... | ..... | 8.57 | ..... | 8.57 | ..... | ..... |
| 2689 | | | | | | | 10.30 | ..... | 10.30 | ..... | ..... |
| | | | | | | | 10.70 | ..... | 10.70 | ..... | ..... |
| 2878 | | | 3.15 | ..... | 2.21 | 0.64 | 5.10 | ..... | 7.95 | ..... | 1.67 |
| 2879 | | | 3.33 | ..... | 2.01 | 0.79 | 4.82 | ..... | 7.62 | ..... | 1.20 |
| 2867 | | | 30.35 | ..... | ..... | ..... | 0.70 | ..... | 0.70 | ..... | ..... |
| | | | 28.00 | ..... | ..... | ..... | 1.23 | ..... | 1.23 | ..... | ..... |
| 2451 | | | | | 15.47 | ..... | ..... | ..... | 15.47 | ..... | ..... |
| 2478 | | | | | 15.33 | ..... | ..... | ..... | 15.33 | ..... | ..... |
| 2831 | | | | | 15.58 | ..... | ..... | ..... | 15.58 | ..... | ..... |
| 2844 | | | | | 15.55 | ..... | ..... | ..... | 15.55 | ..... | ..... |
| 2868 | | | | | 15.33 | ..... | ..... | ..... | 15.33 | ..... | ..... |
| | | | | | 15.00 | ..... | ..... | ..... | 15.00 | ..... | ..... |
| 2329 | | | | | | | | | 49.08 | ..... | 2.12 |
| 2424 | | | | | | | | | 48.84 | ..... | 2.18 |
| 2691 | | | | | | | | | 49.36 | ..... | 2.20 |
| 2871 | | | | | | | | | 48.67 | ..... | 1.92 |
| | | | | | | | | | 45.00 | ..... | ..... |
| 2845 | 18.05 | 0.35 | 18.40 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| 2860 | 17.10 | 0.60 | 17.70 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| ..... | 17.00 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| 2723 | | | 11.60 | ..... | ..... | ..... | 6.14 | ..... | 6.14 | ..... | ..... |
| | | | 13.75 | Bn | ..... | ..... | 6.58 | Bl, Bn | 6.58 | ..... | ..... |
| 2848 | | | 11.18 | ..... | ..... | ..... | 6.21 | ..... | 6.21 | ..... | ..... |
| | | | 13.75 | Bn | ..... | ..... | 6.58 | Bl, Bn | 6.58 | ..... | ..... |
| 2857 | | | 7.75 | ..... | ..... | ..... | 7.22 | ..... | 7.22 | ..... | ..... |
| 2858 | | | 7.73 | ..... | ..... | ..... | 7.09 | ..... | 7.09 | ..... | ..... |
| | | | 11.50 | Bn | ..... | ..... | 6.58 | Bl, Bn | 6.58 | ..... | ..... |
| 2859 | | | 7.98 | ..... | ..... | ..... | 8.97 | ..... | 8.97 | ..... | ..... |
| | | | 9.16 | Bn | ..... | ..... | 8.25 | Bl, Bn | 8.25 | ..... | ..... |
| 2866 | | | 9.35 | ..... | ..... | ..... | 8.11 | ..... | 8.11 | ..... | ..... |
| | | | 9.15 | Bn | ..... | ..... | 8.22 | Bl, Bn | 8.22 | ..... | ..... |
| 2886 | | | 8.08 | ..... | ..... | ..... | 9.02 | ..... | 9.02 | ..... | ..... |
| | | | 9.16 | Bn | ..... | ..... | 8.25 | Bl, Bn | 8.25 | ..... | ..... |
| 2895 | | | 7.60 | ..... | ..... | ..... | 6.40 | ..... | 6.40 | ..... | ..... |
| | | | 9.00 | Bn | ..... | ..... | 8.23 | Bl, Bn | 8.23 | ..... | ..... |

*2848—74% fine.
 *2857—76% fine.

*2858—75% fine.
 *2859—75% fine.

*2866—75% fine.
 *2886—77% fine.
 *2895—71% fine.

ANALYSES AND VALUATIONS—Continued.

| Laboratory Number | NAME AND ADDRESS OF MANUFACTURER OR DEALER,* AND NAME OF BRAND. | | FROM WHOM OBTAINED. | Value per Ton at Station Prices. |
|-------------------|---|---------------------------------------|---------------------|-------------------------------------|
| | | | | |
| | | | | |
| | W. B. Burr, Los Angeles, Cal. | | | |
| 2504 | Sulfate of Potash | Glendora Citrus Assn., Glendora | 59.32 | |
| | Guaranteed..... | | 58.80 | |
| | California Fertilizer Works, San Francisco, Cal. | | | |
| 2588* | Bone and Blood | Geo. J. Mitchell, Claremont | 34.23 | |
| | Guaranteed..... | | 32.93 | |
| 2785* | Bone and Blood | F. Crowell, Upland | 34.96 | |
| | Guaranteed..... | | 32.85 | |
| 2501 | Fruit, Orange and Vine | W. D. Weaver, Fresno | 29.10 | |
| | Guaranteed..... | | 27.10 | |
| 2542 | Nitrate of Soda | J. P. Brown, Riverside | 54.36 | |
| | Guaranteed..... | | 54.84 | |
| 2829 | Special | H. Posthethwaite, San Jose | 33.00 | |
| | Guaranteed..... | | 31.16 | |
| 2479 | Special Nursey Stock | Hanson & Seares, Upland | 30.02 | |
| 2544 | Special Nursery Stock | J. P. Brown, Riverside | 30.20 | |
| | Guaranteed..... | | 27.80 | |
| 2480 | Special Orange and Lemon | Hanson & Seares, Upland | 27.54 | |
| 2543 | Special Orange and Lemon | J. P. Brown, Riverside | 28.23 | |
| 2877 | Special Orange and Lemon | Vosburg & Williams, Porterville | 28.05 | |
| 2893 | Special Orange and Lemon | Wm. B. Rabb, Los Angeles | 28.39 | |
| | Guaranteed..... | | 26.95 | |
| 2481 | Special Orange Tree | Hanson & Seares, Upland | 29.69 | |
| 2880 | Special Orange Tree | Harry White, Pomona | 27.83 | |
| | Guaranteed..... | | 27.35 | |
| 2376 | Special High Grade | A. T. Botts, Oroville | 33.66 | |
| | Guaranteed..... | | 28.10 | |
| | California Ranch Supply and Fertilizer Exchange, Upland, Cal. | | | |
| 2709* | Tankage | J. W. Squires, Ontario | 34.52 | |
| | Guaranteed..... | | 39.09 | |
| | Carlsbad Guano and Fertilizer Co., Redlands, Cal. | | | |
| 2676* | Bat Guano | H. Brimmer, Rialto | 16.16 | |
| | Guaranteed..... | | 24.60 | |
| 2727 | Bat Guano | Glendora Citrus Assn., Glendora | 25.04 | |
| | Guaranteed..... | | 23.12 | |
| 2794 | Bat Guano | H. W. Walker, Santa Ana | 20.47 | |
| | Guaranteed..... | | 26.94 | |
| 2796 | Bat Guano | P. H. Covington, Santa Ana | 26.56 | |
| | Guaranteed..... | | 35.33 | |
| 2830* | Bat Guano | Chas. T. Paine, Craftonville | 30.92 | |
| | Guaranteed..... | | 34.25 | |

*2588—62% fine.

*2785—57% fine.

*2709—65% fine.

ANALYSIS AND VALUATIONS—Continued.

POUNDS PER HUNDRED.

| Laboratory Number. | PHOSPHORIC ACID | | | | NITROGEN | | | | | POTASH | | CHLORIN |
|--------------------|-----------------|------------|--------|-----------------------------|--------------|-------------------|----------|--|--------|---------------|--------|---------|
| | Available. | Insoluble. | Total. | Guaranteed as derived from. | In Nitrates. | In Ammonia Salts. | Organic. | Organic Nitrogen guaranteed as derived from. | Total. | From Sulfate. | Total. | |
| 2504 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 49.44 | ..... | 0.60 |
| ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 49.00 | ..... | ..... |
| 2588 | ..... | ..... | 21.70 | ..... | ..... | ..... | 4.51 | ..... | 4.51 | ..... | ..... | ..... |
| ..... | ..... | ..... | 22.00 | ..... | ..... | ..... | 4.10 | ..... | 4.10 | ..... | ..... | ..... |
| 2785 | ..... | ..... | 21.35 | ..... | ..... | ..... | 4.97 | ..... | 4.97 | ..... | ..... | ..... |
| ..... | ..... | ..... | 22.00 | ..... | ..... | ..... | 4.10 | ..... | 4.10 | ..... | ..... | ..... |
| 2501 | 6.55 | 3.65 | 10.20 | ..... | 0.80 | 0.65 | 1.18 | ..... | 2.63 | 7.96 | ..... | 0.95 |
| ..... | 6.00 | 3.50 | 9.50 | <i>Bn, Supr</i> | 0.50 | ..... | 2.00 | <i>Bl, Bn</i> | 2.50 | 7.00 | ..... | ..... |
| 2542 | ..... | ..... | ..... | ..... | 15.53 | ..... | ..... | ..... | 15.53 | ..... | ..... | ..... |
| ..... | ..... | ..... | ..... | ..... | 15.67 | ..... | ..... | ..... | 15.67 | ..... | ..... | ..... |
| 2829 | 7.28 | 4.25 | 11.53 | ..... | 0.25 | 1.32 | 1.84 | ..... | 3.41 | 7.63 | ..... | ..... |
| ..... | 6.00 | 5.00 | 11.00 | <i>Bn, Supr</i> | ..... | 1.24 | 2.00 | <i>Bl, Bn</i> | 3.24 | 7.50 | ..... | ..... |
| 2479 | 6.63 | 4.22 | 10.85 | ..... | 1.48 | 0.53 | 2.40 | ..... | 4.41 | 2.72 | ..... | ..... |
| 2544 | 7.63 | 3.90 | 11.53 | ..... | 1.14 | 0.26 | 2.70 | ..... | 4.10 | 2.81 | ..... | ..... |
| ..... | 7.00 | 3.00 | 10.00 | <i>Bn, Supr</i> | 1.00 | ..... | 3.00 | <i>Bl, Bn</i> | 4.00 | 2.00 | ..... | ..... |
| 2480 | 7.00 | 3.25 | 10.25 | ..... | 0.91 | 0.27 | 1.82 | ..... | 3.00 | 5.07 | ..... | 0.70 |
| 2543 | 6.93 | 3.77 | 10.70 | ..... | 1.09 | 0.20 | 1.60 | ..... | 2.89 | 5.90 | ..... | 0.65 |
| 2877 | 6.55 | 3.60 | 10.15 | ..... | 0.86 | 0.24 | 2.06 | ..... | 3.16 | 5.24 | ..... | ..... |
| 2893 | 6.63 | 4.12 | 10.75 | ..... | 0.78 | 0.28 | 2.29 | ..... | 3.35 | 4.57 | ..... | 0.60 |
| ..... | 6.00 | 4.00 | 10.00 | <i>Bn, Supr</i> | 0.50 | ..... | 2.50 | <i>Bl, Bn</i> | 3.00 | 5.00 | ..... | ..... |
| 2481 | 8.05 | 1.75 | 9.80 | ..... | 0.75 | 0.36 | 1.78 | ..... | 2.89 | 6.75 | ..... | 0.75 |
| 2880 | 6.80 | 3.30 | 10.10 | ..... | 1.14 | 0.28 | 1.11 | ..... | 2.53 | 7.16 | ..... | 0.70 |
| ..... | 6.00 | 3.50 | 9.50 | <i>Bn, Supr</i> | 0.25 | ..... | 2.25 | <i>Bl, Bn</i> | 2.50 | 7.10 | ..... | ..... |
| 2376 | 12.19 | 4.12 | 16.31 | ..... | 1.36 | 0.57 | 2.54 | ..... | 4.47 | ..... | ..... | ..... |
| ..... | 8.00 | 6.00 | 14.00 | <i>Bn, Supr</i> | 1.00 | ..... | 3.00 | <i>Bl, Bn</i> | 4.00 | ..... | ..... | ..... |
| 2709 | ..... | ..... | 12.30 | ..... | ..... | ..... | 6.53 | ..... | 6.53 | ..... | ..... | ..... |
| ..... | ..... | ..... | 13.90 | <i>Bn</i> | ..... | ..... | 7.40 | <i>Bl, Bn</i> | 7.40 | ..... | ..... | ..... |
| 2676 | ..... | ..... | 9.75 | ..... | 0.93 | ..... | 1.19 | ..... | 2.12 | ..... | 0.29 | ..... |
| ..... | ..... | ..... | 10.00 | ..... | ..... | ..... | 4.00 | ..... | 4.00 | ..... | 0.50 | ..... |
| 2727 | ..... | ..... | 8.87 | ..... | 1.42 | 0.35 | 2.93 | ..... | 4.70 | ..... | 0.35 | ..... |
| ..... | ..... | ..... | 9.61 | ..... | ..... | ..... | ..... | ..... | 5.11 | ..... | 0.45 | ..... |
| 2794 | ..... | ..... | 10.05 | ..... | 1.22 | 0.19 | 1.87 | ..... | 3.28 | ..... | 0.43 | ..... |
| ..... | ..... | ..... | 10.37 | ..... | ..... | ..... | 4.66 | ..... | 4.66 | ..... | 0.40 | ..... |
| 2796 | ..... | ..... | 10.28 | ..... | 1.93 | 0.33 | 2.62 | ..... | 4.88 | ..... | 0.35 | ..... |
| ..... | ..... | ..... | 7.82 | ..... | ..... | ..... | 7.27 | ..... | 7.27 | ..... | 0.55 | ..... |
| 2830 | ..... | ..... | 8.90 | ..... | 4.27 | 0.11 | 1.92 | ..... | 6.30 | ..... | 0.65 | ..... |
| ..... | ..... | ..... | 10.60 | ..... | ..... | ..... | ..... | ..... | 6.28 | ..... | 0.54 | ..... |

*2676—Sample lumpy. May not be representative.

*2830—Consists of bat guano with nitrate of soda.

ANALYSES AND VALUATIONS—Continued.

| Laboratory Number. | NAME AND ADDRESS OF MANUFACTURER OR DEALER, AND NAME OF BRAND. | | FROM WHOM OBTAINED. | Value per Ton at Station Prices. |
|--|---|---|---------------------|-------------------------------------|
| | | | | |
| | | | | |
| Carlsbad Guano and Fertilizer Co.—Continued. | | | | |
| 2692 | Bat Guano | Mrs. N. J. Levinson, San Bernardino.... | 29.14 | |
| 2730 | Bat Guano | John Martin, Colton | 27.77 | |
| 2798 | Bat Guano | W. C. Nickerson, Redlands | 18.16 | |
| 2802 | Bat Guano | A. L. Wright, Jr., Rialto | 28.33 | |
| 2803 | Bat Guano | Mrs. M. E. Wallace, Rialto | 28.75 | |
| 2804 | Bat Guano | Mrs. M. E. Wallace, Rialto | 28.39 | |
| 2814 | Bat Guano | Mrs. J. M. Ferguson, Colton | 27.62 | |
| Sold on Station Analysis. | | | | |
| 2748 | Blood | Dr. C. S. Lombard, Redlands | 57.12 | |
| 2846 | Blood | Highland Orange Growers Assn., Highland | 57.67 | |
| | Guaranteed..... | | 56.70 | |
| 2896 | Special | F. M. La Grange, Redlands | 36.83 | |
| | Guaranteed..... | | 35.40 | |
| 2872* | Tankage | W. S. Corwin, Highland | 32.86 | |
| | Guaranteed..... | | 33.91 | |
| Cudahy Packing Co., South Omaha, Neb. | | | | |
| 2340* | Blood and Bone | G. A. Herdeg, Riverside | 33.01 | |
| 2348* | Blood and Bone | G. A. Herdeg, Riverside | 29.49 | |
| | Guaranteed..... | | 33.08 | |
| 2359* | Blood and Bone | Arlington Heights Fruit Co., Riverside.... | 32.00 | |
| | Guaranteed..... | | 37.28 | |
| 2360* | Blood and Bone | Arlington Heights Fruit Co., Riverside.... | 33.18 | |
| 2365* | Blood and Bone | Arlington Heights Fruit Co., Riverside.... | 34.70 | |
| 2367* | Blood and Bone | Arlington Heights Fruit Co., Riverside.... | 33.35 | |
| | Guaranteed..... | | 37.17 | |
| 2361* | Blood and Bone | Arlington Heights Fruit Co., Riverside.... | 33.68 | |
| | Guaranteed..... | | 37.28 | |
| 2362* | Blood and Bone | Arlington Heights Fruit Co., Riverside.... | 34.48 | |
| 2364* | Blood and Bone | Arlington Heights Fruit Co., Riverside.... | 33.16 | |
| | Guaranteed..... | | 37.39 | |
| 2366* | Blood and Bone | Arlington Heights Fruit Co., Riverside.... | 34.09 | |
| | Guaranteed..... | | 37.49 | |
| 2368* | Blood and Bone | Arlington Heights Fruit Co., Riverside.... | 33.01 | |
| | Guaranteed..... | | 37.39 | |
| 2369* | Blood and Bone | Arlington Heights Fruit Co., Riverside.... | 33.02 | |
| | Guaranteed..... | | 37.28 | |
| 2531* | Blood and Bone | W. J. Rogers, Pomona | 33.80 | |
| | Guaranteed..... | | 32.90 | |
| 2644* | Blood and Bone | Arlington Heights Fruit Co., Riverside.... | 32.57 | |
| 2673* | Blood and Bone | Arlington Heights Fruit Co., Riverside.... | 32.30 | |
| 2675* | Blood and Bone | Arlington Heights Fruit Co., Riverside.... | 32.87 | |
| 2684* | Blood and Bone | Arlington Heights Fruit Co., Riverside.... | 32.62 | |
| 2685* | Blood and Bone | Arlington Heights Fruit Co., Riverside.... | 33.03 | |
| 2708* | Blood and Bone | Arlington Heights Fruit Co., Riverside.... | 31.51 | |

*2872—78% fine.

*2340—83% fine.

*2348—83% fine.

*2359—83% fine.

*2360—80% fine.

*2365—81% fine.

*2367—80% fine.

*2361—83% fine.

ANALYSES AND VALUATIONS—Continued.

| Laboratory Number. | PHOSPHORIC ACID | | | | NITROGEN | | | | | POTASH | | CHLORIN |
|--------------------|-----------------|------------|--------|-----------------------------|--------------|-------------------|----------|--|--------|---------------|--------|---------|
| | Available. | Insoluble. | Total. | Guaranteed as derived from. | In Nitrates. | In Ammonia Salts. | Organic. | Organic Nitrogen guaranteed as derived from. | Total. | From Sulfate. | Total. | |
| 2692 | 7.53 | 1.80 | 9.33 | ..... | 2.06 | 0.22 | 2.56 | ..... | 4.84 | ..... | 0.80 | ..... |
| 2730 | ..... | ..... | 9.73 | ..... | 2.60 | 0.20 | 2.38 | ..... | 5.18 | ..... | 0.54 | ..... |
| 2798 | ..... | ..... | 14.02 | ..... | 0.69 | ..... | 1.11 | ..... | 1.80 | ..... | 0.41 | ..... |
| 2802 | ..... | ..... | 9.08 | ..... | 3.62 | ..... | 1.92 | ..... | 5.54 | ..... | 0.60 | ..... |
| 2803 | ..... | ..... | 8.83 | ..... | 3.79 | 0.10 | 1.86 | ..... | 5.75 | ..... | 0.52 | ..... |
| 2804 | ..... | ..... | 8.72 | ..... | 3.25 | 0.15 | 2.17 | ..... | 5.57 | ..... | 0.68 | ..... |
| 2814 | ..... | ..... | 9.25 | ..... | 2.79 | 0.11 | 1.32 | ..... | 4.22 | ..... | 3.98 | ..... |
| 2748 | ..... | ..... | ..... | ..... | ..... | ..... | 13.60 | ..... | 13.60 | ..... | ..... | ..... |
| 2846 | ..... | ..... | ..... | ..... | ..... | ..... | 13.72 | ..... | 13.72 | ..... | ..... | ..... |
| ..... | ..... | ..... | ..... | ..... | ..... | ..... | 13.50 | ..... | 13.50 | ..... | ..... | ..... |
| 2896 | ..... | ..... | 22.00 | ..... | ..... | ..... | 3.08 | ..... | 3.08 | 5.76 | ..... | ..... |
| ..... | ..... | ..... | 24.50 | Bn | ..... | ..... | 2.15 | Bn | 2.15 | 6.00 | ..... | ..... |
| 2872 | ..... | ..... | 7.20 | ..... | ..... | ..... | 6.95 | ..... | 6.95 | ..... | ..... | ..... |
| ..... | ..... | ..... | 7.54 | Bn | ..... | ..... | 7.15 | Bl, Bn | 7.15 | ..... | ..... | ..... |
| 2340 | 4.69 | 7.90 | 12.59 | ..... | ..... | ..... | 5.95 | ..... | 5.95 | ..... | ..... | ..... |
| 2348 | 5.05 | 7.45 | 12.50 | ..... | ..... | ..... | 5.00 | ..... | 5.00 | ..... | ..... | ..... |
| ..... | 7.50 | 6.00 | 13.50 | Bn | ..... | ..... | 5.35 | Bl, Bn | 5.35 | ..... | ..... | ..... |
| 2359 | 4.44 | 6.70 | 11.14 | ..... | ..... | ..... | 5.92 | ..... | 5.92 | ..... | ..... | ..... |
| ..... | 13.50 | ..... | 13.50 | Bn | ..... | ..... | 5.35 | Bl, Bn | 5.35 | ..... | ..... | ..... |
| 2360 | 4.72 | 6.28 | 11.00 | ..... | ..... | ..... | 6.22 | ..... | 6.22 | ..... | ..... | ..... |
| 2365 | 4.59 | 4.76 | 9.35 | ..... | ..... | ..... | 6.84 | ..... | 6.84 | ..... | ..... | ..... |
| 2367 | 5.47 | 5.84 | 11.31 | ..... | ..... | ..... | 6.09 | ..... | 6.09 | ..... | ..... | ..... |
| ..... | 13.50 | ..... | 13.50 | Bn | ..... | ..... | 5.35 | Bl, Bn | 5.35 | ..... | ..... | ..... |
| 2361 | 5.41 | 6.00 | 11.41 | ..... | ..... | ..... | 6.14 | ..... | 6.14 | ..... | ..... | ..... |
| ..... | 13.50 | ..... | 13.50 | Bn | ..... | ..... | 5.35 | Bl, Bn | 5.35 | ..... | ..... | ..... |
| 2362 | 5.54 | 6.34 | 11.88 | ..... | ..... | ..... | 6.23 | ..... | 6.23 | ..... | ..... | ..... |
| 2364 | 4.33 | 6.52 | 10.85 | ..... | ..... | ..... | 6.24 | ..... | 6.24 | ..... | ..... | ..... |
| ..... | 13.50 | ..... | 13.50 | Bn | ..... | ..... | 5.35 | Bl, Bn | 5.35 | ..... | ..... | ..... |
| 2366 | 5.37 | 6.28 | 11.65 | ..... | ..... | ..... | 6.16 | ..... | 6.16 | ..... | ..... | ..... |
| ..... | 13.50 | ..... | 13.50 | Bn | ..... | ..... | 5.35 | Bl, Bn | 5.35 | ..... | ..... | ..... |
| 2368 | 5.87 | 5.78 | 11.65 | ..... | ..... | ..... | 5.83 | ..... | 5.83 | ..... | ..... | ..... |
| ..... | 13.50 | ..... | 13.50 | Bn | ..... | ..... | 5.35 | Bl, Bn | 5.35 | ..... | ..... | ..... |
| 2369 | 5.83 | 5.18 | 11.01 | ..... | ..... | ..... | 5.95 | ..... | 5.95 | ..... | ..... | ..... |
| ..... | 13.50 | ..... | 13.50 | Bn | ..... | ..... | 5.35 | Bl, Bn | 5.35 | ..... | ..... | ..... |
| 2531 | ..... | ..... | 12.60 | ..... | ..... | ..... | 5.80 | ..... | 5.80 | ..... | ..... | ..... |
| ..... | ..... | ..... | 13.50 | Bn | ..... | ..... | 5.35 | Bl, Bn | 5.35 | ..... | ..... | ..... |
| 2644 | ..... | ..... | 12.55 | ..... | ..... | ..... | 5.72 | ..... | 5.72 | ..... | ..... | ..... |
| 2673 | ..... | ..... | 13.20 | ..... | ..... | ..... | 5.52 | ..... | 5.52 | ..... | ..... | ..... |
| 2675 | ..... | ..... | 13.65 | ..... | ..... | ..... | 5.57 | ..... | 5.57 | ..... | ..... | ..... |
| 2684 | ..... | ..... | 12.70 | ..... | ..... | ..... | 5.70 | ..... | 5.70 | ..... | ..... | ..... |
| 2685 | ..... | ..... | 12.63 | ..... | ..... | ..... | 5.82 | ..... | 5.82 | ..... | ..... | ..... |
| 2708 | ..... | ..... | 12.55 | ..... | ..... | ..... | 5.45 | ..... | 5.45 | ..... | ..... | ..... |

*2362—84% fine.

*2364—84% fine.

*2366—86% fine.

*2368—85% fine.

*2369—83% fine.

*2531—84% fine.

*2644—83% fine.

*2673—83% fine.

*2675—83% fine.

*2684—83% fine.

*2885—83% fine.

*2708—83% fine.

ANALYSES AND VALUATIONS—Continued.

| Laboratory Number. | NAME AND ADDRESS OF MANUFACTURER OR DEALER, AND NAME OF BRAND. | | FROM WHOM OBTAINED. | Value per Ton at Station Prices. |
|--|---|---|---------------------|-------------------------------------|
| Cudahy Packing Co.— <i>Continued.</i> | | | | |
| 2712* | Blood and Bone | Arlington Heights Fruit Co., Riverside... | | 31.64 |
| | <i>Guaranteed.</i> | | | 31.88 |
| 2645* | Blood and Bone | Arlington Heights Fruit Co., Riverside... | | 31.84 |
| 2646* | Blood and Bone | Arlington Heights Fruit Co., Riverside... | | 32.80 |
| 2671* | Blood and Bone | Arlington Heights Fruit Co., Riverside... | | 32.61 |
| 2670* | Blood and Bone | Arlington Heights Fruit Co., Riverside... | | 32.21 |
| | <i>Guaranteed.</i> | | | 32.09 |
| 2672* | Blood and Bone | Arlington Heights Fruit Co., Riverside | | 31.85 |
| 2686* | Blood and Bone | Arlington Heights Fruit Co., Riverside... | | 32.30 |
| | <i>Guaranteed.</i> | | | 31.77 |
| 2701* | Blood and Bone | M. L. Black, Redlands | | 31.84 |
| | <i>Guaranteed.</i> | | | 32.20 |
| Hauser Packing Co., Los Angeles, Cal. | | | | |
| 2732* | Tankage | Bloomington Fruit Assn., Bloomington... | | 36.55 |
| | <i>Guaranteed.</i> | | | 34.44 |
| 2791* | Tankage | E. F. Wolever, Highgrove | | 31.02 |
| | <i>Guaranteed.</i> | | | 28.36 |
| 2740* | Tankage | W. H. Robinson, Riverside | | 39.65 |
| 2741* | Tankage | F. W. Olmstead, Pomona | | 30.84 |
| 2797* | Tankage | F. E. Abbott, Riverside | | 29.77 |
| <i>Sold on Station Analysis.</i> | | | | |
| Hawaiian Fertilizer Co., San Francisco, Cal. | | | | |
| 2500 | Fruit and Vine | W. E. Porter, Lindsay | | 30.93 |
| | <i>Guaranteed.</i> | | | 29.00 |
| 2435 | Nitrate of Soda | John Niven, San Diego | | 53.48 |
| 2841 | Nitrate of Soda | John Niven, San Diego | | 53.65 |
| | <i>Guaranteed.</i> | | | 52.50 |
| Los Angeles Fertilizer Co., Los Angeles, Cal. | | | | |
| 2471 | Brown's Special Lawn, No. 1 | Live Hardware Co., South Pasadena.... | | 26.61 |
| 2473 | Brown's Special Lawn, No. 1 | A. T. Hansen, Pasadena | | 26.11 |
| | <i>Guaranteed.</i> | | | 24.60 |
| 2572 | Brown's Special Lawn, No. 1 | Wm. H. Brown, Los Angeles | | 26.91 |
| | <i>Guaranteed.</i> | | | 22.90 |
| 2888 | Brown's Special Lawn, No. 1 | Live Hardware Co., South Pasadena.... | | 22.53 |
| | <i>Guaranteed.</i> | | | 23.50 |

*2712—83% fine.

*2645—87% fine.

*2646—86% fine.

*2671—88% fine.

*2670—87% fine.

*2672—80% fine.

ANALYSES AND VALUATIONS—Continued.

POUNDS PER HUNDRED.

| Laboratory Number. | POUNDS PER HUNDRED. | | | | | | | | | | | |
|--------------------|---------------------|--------|-----------------------------|------------------------|-------------------|----------|--|------------------------|---------------|--------|-------|---------|
| | PHOSPHORIC ACID | | | | NITROGEN | | | | | POTASH | | CHLORIN |
| Available. | Insoluble. | Total. | Guaranteed as derived from. | In Nitrates. | In Ammonia Salts. | Organic. | Organic Nitrogen guaranteed as derived from. | Total. | From Sulfate. | Total. | | |
| 2712 | ..... | ..... | 13.35 | ..... | ..... | 5.32 | ..... | 5.32 | ..... | ..... | ..... |  |
| ..... | ..... | ..... | 13.50 | <i>Bn</i> | ..... | ..... | 5.35 | <i>Bl, Bn</i> | 5.35 | ..... | ..... |  |
| 2645 | ..... | ..... | 12.10 | ..... | ..... | 5.57 | ..... | 5.57 | ..... | ..... | ..... |  |
| 2646 | ..... | ..... | 13.15 | ..... | ..... | 5.60 | ..... | 5.60 | ..... | ..... | ..... |  |
| 2671 | ..... | ..... | 14.55 | ..... | ..... | 5.27 | ..... | 5.27 | ..... | ..... | ..... |  |
| 2670 | ..... | ..... | 12.97 | ..... | ..... | 5.48 | ..... | 5.48 | ..... | ..... | ..... |  |
| ..... | ..... | ..... | 13.50 | <i>Bn</i> | ..... | ..... | 5.35 | <i>Bl, Bn</i> | 5.35 | ..... | ..... |  |
| 2672 | ..... | ..... | 13.35 | ..... | ..... | 5.40 | ..... | 5.40 | ..... | ..... | ..... |  |
| 2686 | ..... | ..... | 13.53 | ..... | ..... | 5.48 | ..... | 5.48 | ..... | ..... | ..... |  |
| ..... | ..... | ..... | 13.50 | <i>Bn</i> | ..... | ..... | 5.35 | <i>Bl, Bn</i> | 5.35 | ..... | ..... |  |
| 2701 | ..... | ..... | 11.70 | ..... | ..... | 5.62 | ..... | 5.62 | ..... | ..... | ..... |  |
| ..... | ..... | ..... | 13.50 | <i>Bn</i> | ..... | ..... | 5.35 | <i>Bl, Bn</i> | 5.35 | ..... | ..... |  |
| | | | | | | | | | | | | |
| 2732 | ..... | ..... | 15.70 | ..... | ..... | 5.88 | ..... | 5.88 | ..... | ..... | ..... |  |
| ..... | ..... | ..... | 15.00 | <i>Bn</i> | ..... | ..... | 5.50 | <i>Bl, Bn</i> | 5.50 | ..... | ..... |  |
| 2791 | ..... | ..... | 16.30 | ..... | ..... | 4.94 | ..... | 4.94 | ..... | ..... | ..... |  |
| ..... | ..... | ..... | 15.00 | <i>Bn</i> | ..... | ..... | 4.50 | <i>Bl, Bn</i> | 4.50 | ..... | ..... |  |
| 2740 | ..... | ..... | 17.00 | ..... | ..... | 6.68 | ..... | 6.68 | ..... | ..... | ..... |  |
| 2741 | ..... | ..... | 17.55 | ..... | ..... | 4.59 | ..... | 4.59 | ..... | ..... | ..... |  |
| 2797 | ..... | ..... | 16.15 | ..... | ..... | 4.58 | ..... | 4.58 | ..... | ..... | ..... |  |
| | | | | | | | | | | | | |
| 2500 | 8.55 | 2.55 | 11.10 | ..... | 1.20 | 0.27 | 2.18 | ..... | 3.65 | 4.58 | ..... |  |
| ..... | 7.00 | 1.00 | 8.00 | <i>Bn, G, Super, T</i> | 1.00 | 0.50 | 1.00 | <i>Bn, G, T</i> | 2.50 | 9.00 | ..... |  |
| 2435 | ..... | ..... | ..... | ..... | 15.28 | ..... | ..... | ..... | 15.28 | ..... | ..... |  |
| 2841 | ..... | ..... | ..... | ..... | 15.33 | ..... | ..... | ..... | 15.33 | ..... | ..... |  |
| ..... | ..... | ..... | ..... | ..... | 15.00 | ..... | ..... | ..... | 15.00 | ..... | ..... |  |
| | | | | | | | | | | | | |
| 2471 | 3.28 | 3.52 | 6.80 | ..... | ..... | ..... | 4.88 | ..... | 4.88 | ..... | 1.40 | |
| 2473 | 3.75 | 3.85 | 7.60 | ..... | ..... | ..... | 4.46 | ..... | 4.46 | ..... | 1.84 | |
| ..... | 3.00 | 3.00 | 6.00 | <i>Bn, Supr, T</i> | ..... | ..... | 4.50 | <i>Bl, Bn, Hoof, T</i> | 4.50 | ..... | 1.50 | |
| 2572 | 3.90 | 2.30 | 6.20 | ..... | ..... | ..... | 4.88 | ..... | 4.88 | ..... | 1.30 | |
| ..... | 3.00 | 3.00 | 6.00 | <i>Bn, Supr, T</i> | ..... | ..... | 4.00 | <i>Bl, Bn, Hoof, T</i> | 4.00 | ..... | 1.50 | |
| 2888 | 2.15 | 3.80 | 5.95 | ..... | ..... | ..... | 3.85 | ..... | 3.85 | ..... | 2.21 | |
| ..... | 3.00 | 3.00 | 6.00 | <i>Bn, Supr</i> | ..... | ..... | 4.00 | <i>Bl, Bn, Hoof, T</i> | 4.00 | ..... | 2.00 | |

*2686—80% fine.

*2701—90% fine.

*2732—98% fine.

*2791—48% fine.

*2740—77% fine.

*2741—50% fine.

*2797—54% fine.

ANALYSES AND VALUATIONS—Continued.

| Laboratory Number. | NAME AND ADDRESS OF MANUFACTURER OR DEALER, AND NAME OF BRAND. | | FROM WHOM OBTAINED. | Value per Ton at Station Prices. |
|---|---|---|---------------------|-------------------------------------|
| | | | | |
| | | | | |
| Los Angeles Fertilizer Co.— Continued. | | | | |
| 2571* | Foundation Fertilizer | Wm. H. Brown, Los Angeles..... | | |
| | Guaranteed..... | | | |
| 2731 | Nitrate of Soda | J. D. Wilson, Upland | | 53.65 |
| | Guaranteed..... | | | 54.25 |
| 2418* | Special Bone and Potash | C. V. Lambrigger, Upland | | 38.10 |
| | Guaranteed..... | | | 36.80 |
| 2328 | Special Fruit Grower | Factory, Los Angeles | | 32.56 |
| 2812 | Special Fruit Grower | D. R. Kilbourn, Los Angeles | | 32.09 |
| | Guaranteed..... | | | 30.60 |
| Mapes Formula and Peruvian Guano Co., New York, N.Y. | | | | |
| 2426 | Orange Tree Manure | J. J. Prendergast, Redlands | | 26.88 |
| | Guaranteed..... | | | 23.70 |
| Morris & Co., Chicago, Ill. | | | | |
| 2477 | Blood | Glendora Citrus Assn., Glendora | | 58.50 |
| 2623 | Blood | A. H. Schroder, Pomona | | 55.78 |
| 2768 | Blood | Leffingwell Rancho, Whittier | | 57.54 |
| | Guaranteed..... | | | 58.80 |
| 2849 | Blood | Glendora Citrus Assn., Glendora | | 55.35 |
| | Guaranteed..... | | | 56.70 |
| 2427* | Pacific Big 2 | Sweetwater Fruit Co., Bonita | | 33.24 |
| 2488* | Pacific Big 2 | A. H. Schroder, Pomona | | 32.42 |
| | Guaranteed..... | | | 31.98 |
| 2428* | Pacific Big 2 | Sweetwater Fruit Co., Bonita | | 34.01 |
| 2465* | Pacific Big 2 | C. C. Chapman, Fullerton | | 33.52 |
| | Guaranteed..... | | | 31.89 |
| 2546* | Pacific Big 2 | R. J. Jones, Hollywood | | 33.86 |
| 2767* | Pacific Big 2 | Leffingwell Rancho, Whittier | | 33.49 |
| 2862* | Pacific Big 2 | A. H. Johnson, Monrovia | | 30.58 |
| | Guaranteed..... | | | 31.84 |
| 2527* | Pacific Big 2 | A. H. Schroder, Pomona | | 35.41 |
| | Guaranteed..... | | | 31.93 |
| 2652* | Pacific Big 2 | Fitzgerald & Berry, Covina | | 32.84 |
| | Guaranteed..... | | | 31.79 |
| 2545* | Pacific Big 4 | R. H. Jones, Hollywood | | 43.52 |
| 2725* | Pacific Big 4 | Glendora Citrus Assn., Glendora | | 43.68 |
| | Guaranteed..... | | | 43.72 |
| 2567* | Pacific Big 4 | Sierra Madre Lamanda Park Citrus Assn., Lamanda Park | | 43.53 |
| 2622* | Pacific Big 4 | Frank L. Palmer, Pomona | | 43.71 |
| 2813* | Pacific Big 4 | W. B. Glidden, Glendora | | 41.78 |
| | Guaranteed..... | | | 43.32 |

*2571—Values omitted. The nitrogen is largely derived from coarse pieces of raw hoof, and can hardly be considered of agricultural value.

*2418—Some hoof.
 *2427—75% fine.
 *2488—76% fine.
 *2428—72% fine.

ANALYSES AND VALUATIONS—Continued.

POUNDS PER HUNDRED.

| Laboratory Number. | PHOSPHORIC ACID | | | | NITROGEN | | | | | POTASH | | CHLORIN |
|--------------------|-----------------|------------|--------|-----------------------------|--------------|-------------------|----------|--|--------|---------------|--------|---------|
| | Available. | Insoluble. | Total. | Guaranteed as derived from. | In Nitrates. | In Ammonia Salts. | Organic. | Organic Nitrogen guaranteed as derived from. | Total. | From Sulfate. | Total. | |
| 2571 | 4.17 | 2.65 | 6.82 | ----- | ----- | ----- | 5.44 | ----- | 5.44 | ----- | 1.46 | ----- |
| ----- | 3.00 | 3.00 | 6.00 | <i>Bn,</i> | ----- | ----- | 4.00 | <i>Bl, Bn,</i> | 4.00 | ----- | 1.50 | ----- |
| | | | | <i>Supr</i> | | | | <i>Hoof, T</i> | | | | |
| 2731 | ----- | ----- | ----- | ----- | 15.33 | ----- | ----- | ----- | 15.33 | ----- | ----- | ----- |
| ----- | ----- | ----- | ----- | ----- | 15.50 | ----- | ----- | ----- | 15.50 | ----- | ----- | ----- |
| 2418 | ----- | ----- | 18.70 | ----- | ----- | ----- | 2.85 | ----- | 2.85 | 9.78 | ----- | 0.87 |
| ----- | ----- | ----- | 19.25 | <i>Bn</i> | ----- | ----- | 3.25 | <i>Bn</i> | 3.25 | 7.00 | ----- | ----- |
| 2328 | 8.35 | 4.28 | 12.63 | ----- | 1.95 | 0.14 | 1.81 | ----- | 3.90 | 4.87 | ----- | 0.85 |
| 2812 | 7.83 | 3.27 | 11.10 | ----- | 1.84 | ----- | 2.28 | ----- | 4.12 | 4.58 | ----- | ----- |
| ----- | 8.00 | 2.00 | 10.00 | <i>Bn,</i> | 1.00 | 0.75 | 2.25 | <i>Bl, Bn, T</i> | 4.00 | 4.00 | ----- | ----- |
| | | | | <i>Supr, T</i> | | | | | | | | |
| 2426 | 6.45 | 4.02 | 10.47 | ----- | 2.35 | 0.64 | 0.61 | ----- | 3.60 | 3.53 | ----- | ----- |
| ----- | 6.00 | 2.00 | 8.00 | <i>Bn, G</i> | 2.40 | 0.15 | 0.74 | <i>G</i> | 3.29 | 3.00 | ----- | ----- |
| 2477 | ----- | ----- | ----- | ----- | ----- | ----- | 13.93 | ----- | 13.93 | ----- | ----- | ----- |
| 2623 | ----- | ----- | ----- | ----- | ----- | ----- | 13.28 | ----- | 13.28 | ----- | ----- | ----- |
| 2768 | ----- | ----- | ----- | ----- | ----- | ----- | 13.70 | ----- | 13.70 | ----- | ----- | ----- |
| ----- | ----- | ----- | ----- | ----- | ----- | ----- | 14.00 | ----- | 14.00 | ----- | ----- | ----- |
| 2849 | ----- | ----- | ----- | ----- | ----- | ----- | 13.18 | ----- | 13.18 | ----- | ----- | ----- |
| ----- | ----- | ----- | ----- | ----- | ----- | ----- | 13.50 | ----- | 13.50 | ----- | ----- | ----- |
| 2427 | ----- | ----- | 27.56 | ----- | ----- | ----- | 2.89 | ----- | 2.89 | ----- | ----- | ----- |
| 2488 | ----- | ----- | 26.36 | ----- | ----- | ----- | 2.92 | ----- | 2.92 | ----- | ----- | ----- |
| ----- | ----- | ----- | 28.00 | <i>Bn</i> | ----- | ----- | 2.47 | <i>Bn</i> | 2.47 | ----- | ----- | ----- |
| 2428 | ----- | ----- | 27.50 | ----- | ----- | ----- | 3.13 | ----- | 3.13 | ----- | ----- | ----- |
| 2465 | ----- | ----- | 25.35 | ----- | ----- | ----- | 3.45 | ----- | 3.45 | ----- | ----- | ----- |
| ----- | ----- | ----- | 28.00 | <i>Bn</i> | ----- | ----- | 2.47 | <i>Bn</i> | 2.47 | ----- | ----- | ----- |
| 2546 | ----- | ----- | 26.04 | ----- | ----- | ----- | 3.41 | ----- | 3.41 | ----- | ----- | ----- |
| 2767 | ----- | ----- | 25.25 | ----- | ----- | ----- | 3.48 | ----- | 3.48 | ----- | ----- | ----- |
| 2862 | ----- | ----- | 27.05 | ----- | ----- | ----- | 2.34 | ----- | 2.34 | ----- | ----- | ----- |
| ----- | ----- | ----- | 28.00 | <i>Bn</i> | ----- | ----- | 2.47 | <i>Bn</i> | 2.47 | ----- | ----- | ----- |
| 2527 | ----- | ----- | 25.06 | ----- | ----- | ----- | 3.98 | ----- | 3.98 | ----- | ----- | ----- |
| ----- | ----- | ----- | 28.00 | <i>Bn</i> | ----- | ----- | 2.47 | <i>Bn</i> | 2.47 | ----- | ----- | ----- |
| 2652 | ----- | ----- | 25.95 | ----- | ----- | ----- | 3.19 | ----- | 3.19 | ----- | ----- | ----- |
| ----- | ----- | ----- | 28.00 | <i>Bn</i> | ----- | ----- | 2.47 | <i>Bn</i> | 2.47 | ----- | ----- | ----- |
| 2545 | ----- | ----- | 6.20 | ----- | ----- | ----- | 9.69 | ----- | 9.69 | ----- | ----- | ----- |
| 2725 | ----- | ----- | 5.65 | ----- | ----- | ----- | 9.84 | ----- | 9.84 | ----- | ----- | ----- |
| ----- | ----- | ----- | 5.50 | <i>T</i> | ----- | ----- | 9.88 | <i>T</i> | 9.88 | ----- | ----- | ----- |
| 2567 | ----- | ----- | 5.85 | ----- | ----- | ----- | 9.86 | ----- | 9.86 | ----- | ----- | ----- |
| 2622 | ----- | ----- | 4.80 | ----- | ----- | ----- | 10.12 | ----- | 10.12 | ----- | ----- | ----- |
| 2813 | ----- | ----- | 4.85 | ----- | ----- | ----- | 9.62 | ----- | 9.62 | ----- | ----- | ----- |
| ----- | ----- | ----- | 5.50 | <i>T</i> | ----- | ----- | 9.88 | <i>T</i> | 9.88 | ----- | ----- | ----- |

*2465—72% fine.

*2546—68% fine.

*2767—68% fine.

*2862—68% fine.

*2527—74% fine.

*2652—66% fine.

*2545—86% fine.

*2725—86% fine.

*2567—82% fine.

*2622—82% fine.

*2813—83% fine.

ANALYSIS AND VALUATIONS—Continued.

| Laboratory Number | NAME AND ADDRESS OF MANUFACTURER OR DEALER, AND NAME OF BRAND. | | FROM WHOM OBTAINED. | Value per Ton at Station Prices. |
|---|---|--|---------------------|-------------------------------------|
| | | | | |
| | | | | |
| Morris & Co.—Continued. | | | | |
| 2852* | Pacific Big 4 | I. W. Shirley, Upland | 43.63 | |
| | Guaranteed..... | | 42.73 | |
| 2624* | Pacific Big 4 | A. H. Schroder, Pomona | 43.46 | |
| | Guaranteed..... | | 43.92 | |
| 2726* | Pacific Big 4 | Glendora Citrus Assn., Glendora | 44.08 | |
| | Guaranteed..... | | 43.52 | |
| 2758* | Pacific Big 4 | C. K. Alley, South Pasadena | 43.10 | |
| 2819* | Pacific Big 4 | F. L. Palmer, Pomona | 40.10 | |
| 2840* | Pacific Big 4 | Sweetwater Fruit Co., Bonita | 42.49 | |
| 2842* | Pacific Big 4 | San Diego Land & Town Co., Chula Vista | 42.76 | |
| | Guaranteed..... | | 43.13 | |
| 2861* | Pacific Big 4 | A. H. Johnson, Monrovia | 41.93 | |
| | Guaranteed..... | | 42.34 | |
| 2820 | Pacific Big 5 | F. L. Palmer, Pomona | 42.17 | |
| 2851 | Pacific Big 5 | B. L. Byer, Upland | 43.72 | |
| | Guaranteed..... | | 41.72 | |
| 2496* | Pacific Big 7 | Porterville Citrus Assn., Porterville | 38.50 | |
| | Guaranteed..... | | 38.66 | |
| 2850* | Pacific Big 7 | B. L. Byer, Upland | 36.22 | |
| | Guaranteed..... | | 38.83 | |
| 2495 | Pacific Big 8 | Porterville Citrus Assn., Porterville | 36.09 | |
| 2522* | Pacific Big 8 | R. H. Jones, Hollywood | 36.61 | |
| 2526 | Pacific Big 8 | A. H. Schroder, Pomona | 36.28 | |
| | Guaranteed..... | | 34.80 | |
| Mountain Copper Co., San Francisco, Cal. | | | | |
| 2445 | Mixed 4-10-4 | Walker Fruit Co., Ontario | 34.03 | |
| 2498 | Mixed 4-10-4 | Wm. Pierson, Lindsay | 35.20 | |
| | Guaranteed..... | | 31.71 | |
| 2447 | Mixed 0-12-8 | Walker Fruit Co., Ontario | 26.08 | |
| | Guaranteed..... | | 24.00 | |
| 2389 | Nitrate of Soda | Union Commission Co., Santa Barbara.... | 54.74 | |
| | Guaranteed..... | | 54.25 | |
| 2388 | Superphosphate | Union Commission Co., Santa Barbara.... | 20.69 | |
| 2393 | Superphosphate | Sparr Fruit Co., Los Angeles | 21.48 | |
| 2429 | Superphosphate | Sparr Fruit Co., Los Angeles | 21.34 | |
| | Guaranteed..... | | 20.41 | |
| 2437 | Superphosphate | J. E. Adamson, Pomona | 21.13 | |
| | Guaranteed..... | | 20.66 | |
| 2438 | Superphosphate | F. H. Baldwin, Pomona | 21.12 | |
| | Guaranteed..... | | 20.82 | |
| 2444 | Superphosphate | E. F. Van Lueven, San Bernardino | 22.44 | |
| | Guaranteed..... | | 21.95 | |
| 2446 | Superphosphate | Walker Fruit Co., Ontario | 22.47 | |
| | Guaranteed..... | | 21.74 | |
| *2852—76% fine. | | | | |
| *2624—88% fine. | | | | |
| *2726—86% fine. | | | | |
| *2758—80% fine. | | | | |
| *2819—80% fine. | | | | |
| *2840—80% fine. | | | | |

ANALYSIS AND VALUATIONS—Continued.

POUNDS PER HUNDRED.

| Laboratory Number. | PHOSPHORIC ACID | | | | NITROGEN | | | | POTASH | | CHLORIN |
|--------------------|-----------------|------------|-------------|-----------------------------|--------------|-------------------|----------|--|---------------|--------|---------|
| | Available. | Insoluble. | Total. | Guaranteed as derived from. | In Nitrates. | In Ammonia Salts. | Organic. | Organic Nitrogen guaranteed as derived from. | From Sulfate. | Total. | |
| 2852 | ..... | ..... | 4.25 | ..... | ..... | ..... | 10.37 | ..... | 10.37 | ..... | ..... |
|  | ..... | ..... | 5.50 | <i>T</i> | ..... | ..... | 9.88 | <i>T</i> | 9.88 | ..... | ..... |
| 2624 | ..... | ..... | 5.73 | ..... | ..... | ..... | 9.72 | ..... | 9.72 | ..... | ..... |
|  | ..... | ..... | 5.50 | <i>T</i> | ..... | ..... | 9.88 | <i>T</i> | 9.88 | ..... | ..... |
| 2726 | ..... | ..... | 5.20 | ..... | ..... | ..... | 10.08 | ..... | 10.08 | ..... | ..... |
|  | ..... | ..... | 5.50 | <i>T</i> | ..... | ..... | 9.88 | <i>T</i> | 9.88 | ..... | ..... |
| 2758 | ..... | ..... | 5.28 | ..... | ..... | ..... | 9.92 | ..... | 9.92 | ..... | ..... |
| 2819 | ..... | ..... | 4.85 | ..... | ..... | ..... | 9.24 | ..... | 9.24 | ..... | ..... |
| 2840 | ..... | ..... | 4.75 | ..... | ..... | ..... | 9.87 | ..... | 9.87 | ..... | ..... |
| 2842 | ..... | ..... | 4.95 | ..... | ..... | ..... | 9.90 | ..... | 9.90 | ..... | ..... |
|  | ..... | ..... | 5.50 | <i>T</i> | ..... | ..... | 9.88 | <i>T</i> | 9.88 | ..... | ..... |
| 2861 | ..... | ..... | 4.80 | ..... | ..... | ..... | 9.92 | ..... | 9.92 | ..... | ..... |
|  | ..... | ..... | 5.50 | <i>T</i> | ..... | ..... | 9.88 | <i>T</i> | 9.88 | ..... | ..... |
| 2820 | ..... | ..... | 5.75 | ..... | ..... | ..... | 8.15 | ..... | 8.15 | 4.14 | 2.05 |
| 2851 | ..... | ..... | 5.60 | ..... | ..... | ..... | 8.23 | ..... | 8.23 | 4.58 | 1.25 |
|  | ..... | ..... | 5.00 | <i>Bn, T</i> | ..... | ..... | 8.23 | <i>Bn, T</i> | 8.23 | 4.00 | ..... |
| 2496 | ..... | ..... | 9.02 | ..... | ..... | ..... | 7.98 | ..... | 7.98 | ..... | ..... |
|  | ..... | ..... | 8.00 | <i>Bn, T</i> | ..... | ..... | 8.23 | <i>Bn, T</i> | 8.23 | ..... | ..... |
| 2850 | ..... | ..... | 7.40 | ..... | ..... | ..... | 7.69 | ..... | 7.69 | ..... | ..... |
|  | ..... | ..... | 8.00 | <i>Bn, T</i> | ..... | ..... | 8.23 | <i>Bn, T</i> | 8.23 | ..... | ..... |
| 2495 | ..... | ..... | 25.10 | ..... | ..... | ..... | 2.95 | ..... | 2.95 | 3.51 | ..... |
| 2522 | ..... | ..... | 26.14 | ..... | ..... | ..... | 2.75 | ..... | 2.75 | 3.92 | ..... |
| 2526 | ..... | ..... | 25.75 | ..... | ..... | ..... | 2.54 | ..... | 2.54 | 4.60 | ..... |
|  | ..... | ..... | 25.00 | <i>Bn</i> | ..... | ..... | 2.50 | <i>Bn</i> | 2.50 | 4.00 | ..... |
| 2445 | 9.98 | 0.27 | 10.25 | ..... | 4.04 | 0.88 | 0.29 | ..... | 4.71 | 4.37 | ..... |
| 2498 | 10.82 | 0.25 | 11.07 | ..... | 3.04 | 0.12 | 1.25 | ..... | 4.41 | 5.01 | ..... |
| | 10.00 | 0.50 | 10.50 | <i>Super</i> | 2.67 | ..... | 1.33 | <i>Bat G, Bl, T</i> | 4.00 | 4.00 | ..... |
| 2447 | 13.25 | 0.75 | 13.90 | ..... | ..... | ..... | ..... | ..... | ..... | 8.49 | ..... |
| | 12.00 | 1.00 | 13.00 | ..... | ..... | ..... | ..... | ..... | ..... | 8.00 | ..... |
| 2389 | ..... | ..... | ..... | ..... | 15.64 | ..... | ..... | ..... | 15.64 | ..... | ..... |
|  | ..... | ..... | ..... | ..... | 15.50 | ..... | ..... | ..... | 15.50 | ..... | ..... |
| 2388 | 17.24 | 1.54 | 18.78 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| 2393 | 17.90 | 1.44 | 19.34 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| 2429 | 17.79 | 1.46 | 19.25 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| | 17.01 | 0.99 | 18.00 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| 2437 | 17.61 | 1.05 | 18.66 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| | 17.22 | 0.80 | 18.02 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| 2438 | 17.60 | 0.90 | 18.50 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| | 17.35 | 0.80 | 18.15 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| 2444 | 18.70 | 0.20 | 18.90 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| | 18.29 | 0.20 | 18.49 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| 2446 | 18.73 | 0.27 | 19.00 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| | 18.12 | 0.28 | 18.40 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |

*2342—81% fine.

*2861—71% fine.

*2496—80% fine.

*2850—82% fine.

*2522—Some hoof.

ANALYSES AND VALUATIONS—Continued.

Laboratory Number.

NAME AND ADDRESS OF MANUFACTURER OR DEALER, AND
NAME OF BRAND.

FROM WHOM OBTAINED.

Value per Ton at
Station Prices.

Mountain Copper Co.—

Continued.

| | | | |
|------|--------------------------|--|-------|
| 2466 | Superphosphate | W. K. Love, Riverside | 21.84 |
| | <i>Guaranteed.</i> | | 20.82 |
| 2497 | Superphosphate | Wm. Pierson, Lindsay | 21.52 |
| | <i>Guaranteed.</i> | | 20.56 |
| 2566 | Superphosphate | F. W. Kenney, Glendale | 21.41 |
| | <i>Guaranteed.</i> | | 21.30 |
| 2655 | Superphosphate | Fitzgerald & Barry, Covina | 21.54 |
| | <i>Guaranteed.</i> | | 21.30 |
| 2728 | Superphosphate | Redlands Fruit Assn., Redlands | 20.94 |
| 2729 | Superphosphate | Redlands Fruit Assn., Redlands | 20.76 |
| 2739 | Superphosphate | Bloomington Fruit Assn., Bloomington.... | 20.91 |
| | <i>Guaranteed.</i> | | 21.35 |
| 2751 | Superphosphate | Bloomington T. & L. Co., Bloomington.... | 20.64 |
| 2752 | Superphosphate | Bloomington T. & L. Co., Bloomington.... | 20.88 |
| 2815 | Superphosphate | East Highlands Orange Co., E. Highlands | 21.06 |
| | <i>Guaranteed.</i> | | 20.84 |
| 2771 | Superphosphate | Azusa Foothills Citrus Assn., Azusa | 21.06 |
| 2775 | Superphosphate | Azusa Foothills Citrus Assn., Azusa | 20.91 |
| 2824 | Superphosphate | G. D. Whitcomb, Glendora | 20.53 |
| 2856 | Superphosphate | A. B. White, Los Angeles | 21.49 |
| | <i>Guaranteed.</i> | | 20.96 |
| 2786 | Superphosphate | S. W. McColloch, Fullerton | 20.54 |
| | <i>Guaranteed.</i> | | 20.52 |
| 2816 | Superphosphate | East Highlands Orange Co., E. Highlands | 21.21 |
| | <i>Guaranteed.</i> | | 21.34 |
| 2702 | Superphosphate | Arlington Heights Fruit Co., Riverside.... | 25.12 |
| 2703 | Superphosphate | Arlington Heights Fruit Co., Riverside.... | 25.26 |
| 2704 | Superphosphate | Arlington Heights Fruit Co., Riverside.... | 25.18 |
| 2705 | Superphosphate | Arlington Heights Fruit Co., Riverside.... | 25.27 |

*Sold on Station Analysis.*Mutual Orange Distributors,
Redlands, Cal.

| | | | |
|-------|----------------------------|-----------------------------|-------|
| 2659 | Bat Guano | Bert Stephens, Rialto | 23.17 |
| | <i>Guaranteed.</i> | | 32.92 |
| 2423 | Mutual No. 1 | Factory, Redlands | 35.26 |
| | <i>Guaranteed.</i> | | 33.70 |
| 2417 | Mutual No. 2 | Factory, Redlands | 33.91 |
| | <i>Guaranteed.</i> | | 31.20 |
| 2415 | Special | D. P. Stone, Redlands | 41.35 |
| | <i>Guaranteed.</i> | | 37.80 |
| 2416* | Tankage | Factory, Redlands | 30.62 |
| | <i>Guaranteed.</i> | | 32.06 |
| 2443* | Tankage | Factory, Redlands | 40.91 |
| | <i>Guaranteed.</i> | | 40.86 |
| 2442 | Whale Blood and Meat | Factory, Redlands | 43.00 |
| | <i>Guaranteed.</i> | | 40.00 |
| 2422* | Whale Bone Meal | Factory, Redlands | 34.32 |
| | <i>Guaranteed.</i> | | 33.50 |

*2416—77% fine.

*2443—83% fine.

*2422—46% fine.

ANALYSES AND VALUATIONS—Continued.

| Laboratory Number. | PHOSPHORIC ACID | | | | NITROGEN | | | | | POTASH | | CHLORIN |
|--------------------|-----------------|------------|--------|-----------------------------|--------------|-------------------|----------|--|--------|---------------|--------|---------|
| | Available. | Insoluble. | Total. | Guaranteed as derived from. | In Nitrates. | In Ammonia Salts. | Organic. | Organic Nitrogen guaranteed as derived from. | Total. | From Sulfate. | Total. | |
| 2466 | 18.20 | 0.85 | 19.05 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| ..... | 17.35 | 0.80 | 18.15 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| 2497 | 17.93 | 0.87 | 18.80 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| ..... | 17.14 | 0.89 | 18.03 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| 2566 | 17.85 | 0.40 | 18.25 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| ..... | 17.75 | 0.65 | 18.40 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| 2655 | 17.95 | 0.40 | 18.35 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| ..... | 17.75 | 0.65 | 18.40 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| 2728 | 17.45 | 0.85 | 18.30 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| 2729 | 17.30 | 0.90 | 18.20 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| 2739 | 17.43 | 0.87 | 18.30 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| ..... | 17.79 | 0.62 | 18.41 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| 2751 | 17.20 | 0.70 | 17.90 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| 2752 | 17.40 | 0.68 | 18.08 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| 2815 | 17.55 | 0.55 | 18.10 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| ..... | 17.37 | 0.76 | 18.13 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| 2771 | 17.55 | 0.80 | 18.35 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| 2775 | 17.43 | 0.82 | 18.25 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| 2824 | 17.11 | 0.79 | 17.90 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| 2856 | 17.91 | 0.44 | 18.35 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| ..... | 17.47 | 0.74 | 18.21 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| 2786 | 17.12 | 1.68 | 18.80 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| ..... | 17.10 | 0.90 | 18.00 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| 2816 | 17.68 | 0.72 | 18.40 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| ..... | 17.79 | 0.62 | 18.41 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| 2702 | 20.93 | 0.27 | 21.20 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| 2703 | 21.05 | 0.25 | 21.30 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| 2704 | 20.98 | 0.27 | 21.25 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| 2705 | 21.06 | 0.24 | 21.30 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| 2659 | ..... | ..... | 8.42 | ..... | 1.38 | 0.14 | 2.68 | ..... | 4.20 | ..... | 0.32 | ..... |
| ..... | ..... | ..... | 7.10 | ..... | ..... | ..... | 6.56 | ..... | 6.56 | ..... | 0.84 | ..... |
| 2423 | 7.98 | 5.55 | 13.53 | ..... | ..... | ..... | 4.38 | ..... | 4.38 | 4.49 | ..... | 0.90 |
| ..... | 7.00 | 5.00 | 12.00 | T | ..... | ..... | 4.50 | T | 4.50 | 4.00 | ..... | ..... |
| 2417 | 11.76 | 8.70 | 20.46 | ..... | ..... | ..... | 2.29 | ..... | 2.29 | 5.24 | ..... | ..... |
| ..... | 10.00 | 8.00 | 18.00 | Bn, G, Super | ..... | ..... | 2.00 | Bn, G | 2.00 | 6.00 | ..... | ..... |
| 2415 | 7.20 | 2.88 | 10.08 | ..... | ..... | ..... | 5.29 | ..... | 5.29 | 8.43 | ..... | 0.75 |
| ..... | 7.00 | 2.00 | 9.00 | Bn, Supr | ..... | ..... | 5.00 | Bl Bn T | 5.00 | 7.00 | ..... | ..... |
| 2416 | ..... | ..... | 7.44 | ..... | ..... | ..... | 7.81 | ..... | 7.81 | ..... | ..... | ..... |
| ..... | ..... | ..... | 6.50 | Bn | ..... | ..... | 8.50 | Bl, Bn | 8.50 | ..... | ..... | ..... |
| 2443 | ..... | ..... | 6.52 | ..... | ..... | ..... | 9.06 | ..... | 9.06 | ..... | ..... | ..... |
| ..... | ..... | ..... | 6.75 | Bn | ..... | ..... | 9.00 | Bl, Bn | 9.00 | ..... | ..... | ..... |
| 2442 | ..... | ..... | ..... | ..... | ..... | ..... | 10.75 | ..... | 10.75 | ..... | ..... | ..... |
| ..... | ..... | ..... | ..... | ..... | ..... | ..... | 10.00 | ..... | 10.00 | ..... | ..... | ..... |
| 2422 | ..... | ..... | 28.48 | ..... | ..... | ..... | 3.12 | ..... | 3.12 | ..... | ..... | ..... |
| ..... | ..... | ..... | 28.00 | ..... | ..... | ..... | 3.00 | ..... | 3.00 | ..... | ..... | ..... |

ANALYSIS AND VALUATIONS—Continued.

| Laboratory Number. | NAME AND ADDRESS OF MANUFACTURER OR DEALER, AND NAME OF BRAND. | | FROM WHOM OBTAINED. | Value per Ton at Station Prices. |
|---|---|---------------------------------------|---------------------|-------------------------------------|
| S. M. Neely, San Diego, Cal. | | | | |
| 2432 | Bird Guano | S. M. Neely, San Diego | 33.01 | |
| | Guaranteed..... | ..... | 40.17 | |
| Nitrate Agencies Co., Los Angeles, Cal. | | | | |
| 2430 | Nitrate of Soda | Sparr Fruit Co., Los Angeles | 53.72 | |
| 2508 | Nitrate of Soda | Nitrate Agencies Co., San Jose | 54.74 | |
| 2565 | Nitrate of Soda | F. W. Kenney, Glendale | 53.55 | |
| 2653 | Nitrate of Soda | Fitzgerald & Barry, Pasadena | 53.13 | |
| 2698 | Nitrate of Soda | Leffingwell Rancho, Whittier | 52.64 | |
| 2713 | Nitrate of Soda | J. L. Hickson, San Fernando | 53.55 | |
| 2782 | Nitrate of Soda | A. W. Wohlford, Escondido | 53.34 | |
| 2787 | Nitrate of Soda | S. W. McColloch, Fullerton | 52.46 | |
| 2837 | Nitrate of Soda | H. P. Greene, San Diego | 53.72 | |
| | Guaranteed..... | ..... | 52.50 | |
| 2654 | Sulfate of Potash | Fitzgerald & Barry, Pasadena | 58.03 | |
| | Guaranteed..... | ..... | 57.60 | |
| 2780 | Sulfate of Potash | A. W. Wohlford, Escondido | 57.31 | |
| | Guaranteed..... | ..... | 60.28 | |
| 2788 | Sulfate of Potash | S. W. McColloch, Fullerton | 57.79 | |
| | Guaranteed..... | ..... | 54.00 | |
| Pacific Bone, Coal and Fer- tilizing Co., San Francisco, Cal. | | | | |
| 2499 | Citrona | A. P. Graybill, Lindsay | 35.52 | |
| | Guaranteed..... | ..... | 29.55 | |
| 2491 | Special | Kaweah Lemon Co., Lemon Cove | 32.08 | |
| | Guaranteed..... | ..... | 31.40 | |
| 2492 | Special | T. A. Pogue, Lemon Cove | 27.29 | |
| | Guaranteed..... | ..... | 27.84 | |
| 2493 | Special | T. A. Pogue, Lemon Cove | 32.23 | |
| | Guaranteed..... | ..... | 35.60 | |
| 2744 | Special Olive | Fancher Creek Nurseries, Fresno | 32.76 | |
| | Guaranteed..... | ..... | 30.75 | |
| 2743 | Special Orange | Fancher Creek Nurseries, Fresno | 34.33 | |
| | Guaranteed..... | ..... | 30.86 | |
| 2494 | Sulfate of Potash | W. A. Senter, Lemon Cove | 59.23 | |
| | Guaranteed..... | ..... | 57.60 | |
| Pacific Guano and Fertilizer Co., San Francisco, Cal. | | | | |
| 2589 | Bat Guano | B. S. Casey, Rialto | 24.30 | |
| | Guaranteed..... | ..... | 25.40 | |
| 2721 | Bat Guano | B. S. Casey, Rialto | 43.44 | |
| | Guaranteed..... | ..... | 42.12 | |
| 2403 | Blood | H. C. Rumohr, Redlands | 54.60 | |
| | Guaranteed..... | ..... | 51.66 | |
| 2454 | Blood | B. S. Casey, Rialto | 49.60 | |
| | Guaranteed..... | ..... | 43.68 | |
| 2621 | Blood | B. S. Casey, Rialto | 59.68 | |
| | Guaranteed..... | ..... | 58.80 | |

ANALYSIS AND VALUATIONS—Continued.

| Laboratory Number. | PHOSPHORIC ACID | | | | NITROGEN | | | | | POTASH | | CHLORIN |
|--------------------|-----------------|------------|--------|-----------------------------|--------------|-------------------|----------|--|-------------|---------------|--------|---------|
| | Available. | Insoluble. | Total. | Guaranteed as derived from. | In Nitrates. | In Ammonia Salts. | Organic. | Organic Nitrogen guaranteed as derived from. | Total. | From Sulfate. | Total. | |
| 2432 | 10.34 | 1.38 | 11.72 | ..... | 0.69 | 2.00 | 2.12 | ..... | 4.81 | ..... | 1.52 | ..... |
| ..... | 8.86 | 1.10 | 9.96 | ..... | 0.63 | 1.67 | 4.67 | ..... | 6.97 | ..... | 1.74 | ..... |
| 2430 | ..... | ..... | ..... | ..... | 15.35 | ..... | ..... | ..... | 15.35 | ..... | ..... | ..... |
| 2508 | ..... | ..... | ..... | ..... | 15.64 | ..... | ..... | ..... | 15.64 | ..... | ..... | ..... |
| 2565 | ..... | ..... | ..... | ..... | 15.30 | ..... | ..... | ..... | 15.30 | ..... | ..... | ..... |
| 2653 | ..... | ..... | ..... | ..... | 15.18 | ..... | ..... | ..... | 15.18 | ..... | ..... | ..... |
| 2698 | ..... | ..... | ..... | ..... | 15.04 | ..... | ..... | ..... | 15.04 | ..... | ..... | ..... |
| 2713 | ..... | ..... | ..... | ..... | 15.30 | ..... | ..... | ..... | 15.30 | ..... | ..... | ..... |
| 2782 | ..... | ..... | ..... | ..... | 15.24 | ..... | ..... | ..... | 15.24 | ..... | ..... | ..... |
| 2787 | ..... | ..... | ..... | ..... | 14.99 | ..... | ..... | ..... | 14.99 | ..... | ..... | ..... |
| 2837 | ..... | ..... | ..... | ..... | 15.35 | ..... | ..... | ..... | 15.35 | ..... | ..... | ..... |
| ..... | ..... | ..... | ..... | ..... | 15.00 | ..... | ..... | ..... | 15.00 | ..... | ..... | ..... |
| 2654 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 48.36 | ..... | 2.10 |
| ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 48.00 | ..... | ..... |
| 2780 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 47.76 | ..... | 2.88 |
| ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 50.23 | ..... | ..... |
| 2788 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 48.16 | ..... | 2.10 |
| ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 45.00 | ..... | ..... |
| 2499 | 7.75 | 3.12 | 10.87 | ..... | 1.87 | 0.16 | 1.65 | ..... | 3.68 | 9.12 | ..... | ..... |
| ..... | 7.00 | 3.00 | 10.00 | <i>Bn, Supr</i> | 1.50 | ..... | 1.50 | <i>Bl, Bn</i> | 3.00 | 7.00 | ..... | ..... |
| 2491 | 5.80 | 2.65 | 8.45 | ..... | 1.52 | 0.06 | 1.42 | ..... | 3.00 | 10.48 | ..... | 0.85 |
| ..... | 5.50 | 3.10 | 8.60 | <i>Bn, Supr</i> | 1.50 | ..... | 1.50 | <i>Bl, Bn</i> | 3.00 | 10.00 | ..... | ..... |
| 2492 | 10.29 | 1.66 | 11.95 | ..... | ..... | ..... | ..... | ..... | ..... | 11.76 | ..... | 0.75 |
| ..... | 10.70 | ..... | ..... | <i>Super</i> | ..... | ..... | ..... | ..... | ..... | 12.50 | ..... | ..... |
| 2493 | ..... | ..... | 18.20 | ..... | ..... | ..... | 2.48 | ..... | 2.48 | 6.46 | ..... | ..... |
| ..... | ..... | ..... | 18.00 | <i>Bn</i> | ..... | ..... | 2.30 | <i>Bn</i> | 2.30 | 10.00 | ..... | ..... |
| 2744 | 6.75 | 2.05 | 8.80 | ..... | 1.60 | ..... | 1.58 | ..... | 3.18 | 9.76 | ..... | 2.50 |
| ..... | 5.00 | 3.00 | 8.00 | <i>Bn, Supr</i> | 1.50 | ..... | 1.50 | <i>Bl Bn, T</i> | 3.00 | 10.00 | ..... | ..... |
| 2743 | 7.20 | 2.25 | 9.45 | ..... | 2.60 | ..... | 1.62 | ..... | 4.22 | 7.49 | ..... | 1.50 |
| ..... | ..... | ..... | 9.60 | <i>Bn, Supr</i> | 2.43 | ..... | 1.57 | <i>Bl, Bn, T</i> | 4.00 | 7.00 | ..... | ..... |
| 2494 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 49.36 | ..... | ..... |
| ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 48.00 | ..... | ..... |
| 2589 | ..... | ..... | 5.75 | ..... | 1.93 | 0.75 | 2.56 | ..... | 5.24 | ..... | ..... | ..... |
| ..... | ..... | ..... | 6.30 | ..... | ..... | ..... | ..... | ..... | 5.10 | ..... | ..... | ..... |
| 2721 | ..... | ..... | 7.15 | ..... | 4.03 | 1.18 | 4.05 | ..... | 9.26 | ..... | 2.64 | ..... |
| ..... | ..... | ..... | 6.15 | ..... | ..... | ..... | 9.00 | ..... | 9.00 | ..... | 1.00 | ..... |
| 2403 | ..... | ..... | ..... | ..... | ..... | ..... | 13.00 | ..... | 13.00 | ..... | ..... | ..... |
| ..... | ..... | ..... | ..... | ..... | ..... | ..... | 12.30 | ..... | 12.30 | ..... | ..... | ..... |
| 2454 | ..... | ..... | ..... | ..... | ..... | ..... | 11.81 | ..... | 11.81 | ..... | ..... | ..... |
| ..... | ..... | ..... | ..... | ..... | ..... | ..... | 10.40 | ..... | 10.40 | ..... | ..... | ..... |
| 2621 | ..... | ..... | ..... | ..... | ..... | ..... | 14.21 | ..... | 14.21 | ..... | ..... | ..... |
| ..... | ..... | ..... | ..... | ..... | ..... | ..... | 14.00 | ..... | 14.00 | ..... | ..... | ..... |

ANALYSES AND VALUATIONS—Continued.

| Laboratory Number | NAME AND ADDRESS OF MANUFACTURER OR DEALER, AND NAME OF BRAND. | | FROM WHOM OBTAINED. | Value per Ton at Station Prices. |
|---|--|---|---------------------|----------------------------------|
| Pacific Guano and Fertilizer Co.—Continued. | | | | |
| 2405* | Bone Meal | H. C. Rumohr, Redlands | 34.58 | |
| | Guaranteed..... | | 29.82 | |
| 2455* | Bone Meal | B. S. Casey, Rialto | 33.35 | |
| | Guaranteed..... | | 29.39 | |
| 2590* | Bone Meal | B. S. Casey, Rialto | 31.24 | |
| | Guaranteed..... | | 30.84 | |
| 2410 | Diamond F | H. C. Rumohr, Redlands | 31.38 | |
| | Guaranteed..... | | 29.00 | |
| 2350* | Diamond N | C. J. Dreher, Oroville | 31.71 | |
| 2407 | Diamond N | H. C. Rumohr, Redlands | 32.14 | |
| 2452 | Diamond N | B. S. Casey, Rialto | 29.91 | |
| 2664 | Diamond N | H. C. Rumohr, Redlands | 28.56 | |
| | Guaranteed..... | | 28.00 | |
| 2406 | Lawn Dressing | H. C. Rumohr, Redlands | 34.57 | |
| | Guaranteed..... | | 32.06 | |
| 2409 | Nitrate of Soda | H. C. Rumohr, Redlands | 54.53 | |
| 2458 | Nitrate of Soda | B. S. Casey, Rialto | 54.63 | |
| | Guaranteed..... | | 52.50 | |
| 2456* | P. N. K. | B. S. Casey, Rialto | 29.85 | |
| 2509 | P. N. K. | Roeding & Wood, Exeter | 30.25 | |
| | Guaranteed..... | | 27.10 | |
| 2408 | P. N. K. | H. C. Rumohr, Redlands | 28.04 | |
| | Guaranteed..... | | 25.70 | |
| 2402 | Special 6-8-2 | H. C. Rumohr, Redlands | 36.99 | |
| 2404 | Special 6-8-2 | H. C. Rumohr, Redlands | 37.52 | |
| | Guaranteed..... | | 35.00 | |
| 2823 | Special | A. Moncure, Palermo | 29.85 | |
| | Guaranteed..... | | 29.50 | |
| 2825 | Special | Eisen-Veith Co., Fresno | 40.34 | |
| | Guaranteed..... | | 39.29 | |
| 2401 | Sulfate of Potash | H. C. Rumohr, Redlands | 61.68 | |
| | Guaranteed..... | | 60.00 | |
| 2453 | Sulfate of Potash | B. S. Casey, Rialto | 58.70 | |
| | Guaranteed..... | | 59.28 | |
| 2457 | Superphosphate | B. S. Casey, Rialto | 19.19 | |
| | Guaranteed..... | | 19.80 | |
| 2464 | Superphosphate | E. F. Van Leuven, San Bernardino | 20.15 | |
| | Guaranteed..... | | 21.60 | |
| 2847 | Superphosphate | Highland Orange Growers Assn., Highland | 21.99 | |
| | Guaranteed..... | | 20.40 | |
| 2591* | Tankage | Levi Bemis, Rialto | 35.60 | |
| | Sold on Station Analysis. | | | |
| 2665* | Tankage | C. W. Hobbs, Redlands | 33.86 | |
| | Guaranteed..... | | 32.28 | |
| 2720* | Tankage | B. S. Casey, Rialto | 38.69 | |
| | Guaranteed..... | | 32.75 | |

*2405—72% fine. Some hoof.

*2455—57% fine.

*2590—41% fine.

*2350—Shrimp shells.

ANALYSES AND VALUATIONS—Continued.

| Laboratory Number. | POUNDS PER HUNDRED. | | | | | | | | | | CHLORIN |
|--------------------|---------------------|------------|--------|-----------------------------|--------------|-------------------|----------|--|--------|---------------|---------|
| | PHOSPHORIC ACID | | | | NITROGEN | | | | | POTASH | |
| | Available. | Insoluble. | Total. | Guaranteed as derived from. | In Nitrates. | In Ammonia Salts. | Organic. | Organic Nitrogen guaranteed as derived from. | Total. | From Sulfate. | Total. |
| 2405 | ..... | ..... | 22.12 | ..... | ..... | ..... | 4.40 | ..... | 4.40 | ..... | ..... |
| ..... | ..... | ..... | 20.00 | ..... | ..... | ..... | 3.60 | ..... | 3.60 | ..... | ..... |
| 2455 | ..... | ..... | 21.00 | ..... | ..... | ..... | 4.45 | ..... | 4.45 | ..... | ..... |
| ..... | ..... | ..... | 20.00 | ..... | ..... | ..... | 3.60 | ..... | 3.60 | ..... | ..... |
| 2590 | ..... | ..... | 20.55 | ..... | ..... | ..... | 4.11 | ..... | 4.11 | ..... | ..... |
| ..... | ..... | ..... | 21.00 | ..... | ..... | ..... | 3.90 | ..... | 3.90 | ..... | ..... |
| 2410 | 8.31 | 3.12 | 11.43 | ..... | 0.59 | 0.17 | 2.10 | ..... | 2.86 | 7.32 | 0.75 |
| ..... | 8.00 | 2.50 | 10.50 | Bn, G, Super | 0.50 | ..... | 2.00 | Bl, Bn, Fs, G, T | 2.50 | 7.00 | ..... |
| 2350 | 8.93 | 4.54 | 13.47 | ..... | 0.99 | 0.18 | 2.96 | ..... | 4.13 | 2.31 | ..... |
| 2407 | 7.70 | 4.45 | 12.15 | ..... | 1.02 | 0.27 | 3.31 | ..... | 4.60 | 2.41 | ..... |
| 2452 | 7.70 | 2.95 | 10.65 | ..... | 1.21 | 0.11 | 3.05 | ..... | 4.37 | 1.97 | ..... |
| 2664 | 8.87 | 0.85 | 9.72 | ..... | 0.85 | 0.17 | 2.86 | ..... | 3.88 | 2.06 | ..... |
| ..... | 8.00 | 1.00 | 9.00 | Bn, Supr | 1.00 | ..... | 3.00 | Bl, Bn, Fs | 4.00 | 2.00 | ..... |
| 2406 | 10.25 | 0.25 | 10.50 | ..... | ..... | 4.12 | ..... | ..... | 4.12 | 6.09 | 0.62 |
| ..... | 9.00 | 1.00 | 10.00 | Super | ..... | 4.10 | ..... | ..... | 4.10 | 5.00 | ..... |
| 2409 | ..... | ..... | ..... | ..... | 15.58 | ..... | ..... | ..... | 15.58 | ..... | ..... |
| 2458 | ..... | ..... | ..... | ..... | 15.61 | ..... | ..... | ..... | 15.61 | ..... | ..... |
| ..... | ..... | ..... | ..... | ..... | 15.00 | ..... | ..... | ..... | 15.00 | ..... | ..... |
| 2456 | 8.19 | 3.70 | 11.89 | ..... | ..... | ..... | 2.44 | ..... | 2.44 | 7.01 | 2.30 |
| 2509 | 8.80 | 3.60 | 12.40 | ..... | ..... | ..... | 2.43 | ..... | 2.43 | 6.81 | 1.95 |
| ..... | 9.50 | 1.00 | 10.50 | Bn, G, Super | ..... | ..... | 2.00 | Bl, Bn, Fs, G, T | 2.00 | 6.00 | ..... |
| 2408 | 8.70 | 4.06 | 12.76 | ..... | ..... | ..... | 2.00 | ..... | 2.00 | 6.31 | 1.75 |
| ..... | 7.50 | 3.00 | 10.50 | Bn, G, Super | ..... | ..... | 2.00 | Bl, Bn, Fs, G, T | 2.00 | 6.00 | ..... |
| 2402 | 7.87 | 1.72 | 9.59 | ..... | 2.20 | 0.20 | 3.85 | ..... | 6.25 | 2.39 | ..... |
| 2404 | 7.91 | 2.40 | 10.31 | ..... | 2.48 | 0.20 | 3.64 | ..... | 6.32 | 2.39 | ..... |
| ..... | 8.00 | ..... | ..... | Bn, G, Super | 2.00 | ..... | 4.00 | Bl, Bn, Fs, G, T | 6.00 | 2.00 | ..... |
| 2823 | 10.07 | 4.93 | 15.00 | ..... | 1.15 | 0.10 | 2.73 | ..... | 3.98 | ..... | ..... |
| ..... | 10.00 | 4.00 | 14.00 | Bn | 1.00 | ..... | 3.00 | Bl, Bn, Fs, G, T | 4.00 | ..... | ..... |
| 2825 | 8.84 | 0.24 | 9.08 | ..... | 1.99 | ..... | ..... | ..... | 1.99 | 18.98 | 0.62 |
| ..... | 8.60 | ..... | ..... | ..... | 1.85 | ..... | ..... | ..... | 1.85 | 18.75 | ..... |
| 2401 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 51.40 | 1.45 |
| ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 50.00 | ..... |
| 2453 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 48.92 | 2.66 |
| ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 49.40 | ..... |
| 2457 | 15.99 | 2.95 | 18.94 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| ..... | 16.50 | 1.50 | 18.00 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| 2464 | 16.79 | 2.65 | 19.44 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| ..... | 18.00 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| 2847 | 18.33 | 0.42 | 18.75 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| ..... | 17.00 | 1.50 | 18.50 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| 2591 | ..... | ..... | 13.68 | ..... | ..... | ..... | 6.29 | ..... | 6.29 | ..... | ..... |
| 2665 | ..... | ..... | 14.35 | ..... | ..... | ..... | 5.74 | ..... | 5.74 | ..... | ..... |
| ..... | ..... | ..... | 15.00 | Bn | ..... | ..... | 5.20 | Bl, Bn | 5.20 | ..... | ..... |
| 2720 | ..... | ..... | 10.25 | ..... | ..... | ..... | 7.70 | ..... | 7.70 | ..... | ..... |
| ..... | ..... | ..... | 10.00 | Bn | ..... | ..... | 6.25 | Bl, Bn | 6.25 | ..... | ..... |

*2456—Some hoof.

*2591—81% fine.

*2665—77% fine.

*2720—84% fine.

ANALYSES AND VALUATIONS—Continued.

| Laboratory Number | NAME AND ADDRESS OF MANU- FACTURER OR DEALER, AND NAME OF BRAND. | | FROM WHOM OBTAINED. | Value per Ton at Station Prices. |
|---|--|-------------------------------------|---------------------|-------------------------------------|
| | | | | |
| | | | | |
| Redlands Fertilizer Association, Redlands, Cal. | | | | |
| 2733* | Bone Meal | Redlands Fertilizer Assn., Redlands | 34.29 | |
| | Guaranteed..... | | 31.16 | |
| 2734 | Nitrate of Soda | Redlands Fertilizer Assn., Redlands | 53.65 | |
| | Guaranteed..... | | 25.20 | |
| Redlands Fruit Association, Redlands, Cal. | | | | |
| 2441* | Bone Meal | Factory, Redlands | 32.58 | |
| | Guaranteed..... | | 31.17 | |
| 2756* | Bone Meal | E. M. Frost, Redlands | 33.30 | |
| | Guaranteed..... | | 33.27 | |
| 2755* | Fish Scrap | C. C. Raught, Redlands | 37.64 | |
| | Guaranteed..... | | 38.05 | |
| 2789* | Fish Scrap | A. E. Sterling, Redlands | 37.48 | |
| | Guaranteed..... | | 38.56 | |
| 2790* | Fish Scrap | A. E. Sterling, Redlands | 38.04 | |
| | Guaranteed..... | | 38.91 | |
| 2425 | Nitrate of Soda | Factory, Redlands | 53.72 | |
| | Guaranteed..... | | 52.50 | |
| 2439* | Whale Bone Meal | Factory, Redlands | 32.08 | |
| | Guaranteed..... | | 32.31 | |
| 2440* | Whale Bone Meal | Factory, Redlands | 32.26 | |
| | Guaranteed..... | | 31.97 | |
| 2817 | Whale Blood | Bailey & Warner, Redlands | 39.40 | |
| | Guaranteed..... | | 42.80 | |
| San Bernardino Fertilizer Works, San Bernardino, Cal. | | | | |
| 2380 | Lawn | Factory, San Bernardino | 22.58 | |
| | Guaranteed..... | | 17.52 | |
| 2807 | Orange and Lemon, No. 1 | Allen Break, Bryn Mawr | 31.24 | |
| | Guaranteed..... | | 29.50 | |
| Carroll B. Smith, Redlands, Cal. | | | | |
| 2413 | Bat Guano | Factory, Redlands | 17.70 | |
| | Guaranteed..... | | 18.70 | |
| 2414 | Bat Guano | Factory, Redlands | 16.10 | |
| | Guaranteed..... | | 23.76 | |
| 2411 | Nitrate of Soda | Factory, Redlands | 54.25 | |
| | Guaranteed..... | | 49.00 | |
| 2412* | Tankage | Fred Coombe, Craftonville | 34.37 | |
| | Guaranteed..... | | 33.10 | |

*2733—57% fine.
*2441—57% fine.

*2756—38% fine.
*2755—46% fine.

ANALYSES AND VALUATIONS—Continued.

| Laboratory Number. | PHOSPHORIC ACID | | | | NITROGEN | | | | | POTASH | | CHLORIN |
|--------------------|-----------------|------------|--------|-----------------------------|--------------|-------------------|----------|--|--------|---------------|--------|---------|
| | Available. | Insoluble. | Total. | Guaranteed as derived from. | In Nitrates. | In Ammonia Salts. | Organic. | Organic Nitrogen guaranteed as derived from. | Total. | From Sulfate. | Total. | |
| 2733 | | | 25.80 | ..... | ..... | ..... | 3.67 | ..... | 3.67 | ..... | ..... | ..... |
| | | | 25.00 | ..... | ..... | ..... | 3.00 | ..... | 3.00 | ..... | ..... | ..... |
| 2734 | | | | | 15.33 | ..... | ..... | ..... | 15.33 | ..... | ..... | ..... |
| | | | | | 15.00 | ..... | ..... | ..... | 15.00 | ..... | ..... | ..... |
| 2441 | | | 27.94 | ..... | ..... | ..... | 2.75 | ..... | 2.75 | ..... | ..... | ..... |
| | | | 27.48 | ..... | ..... | ..... | 2.47 | ..... | 2.47 | ..... | ..... | ..... |
| 2756 | | | 28.80 | ..... | ..... | ..... | 2.90 | ..... | 2.90 | ..... | ..... | ..... |
| | | | 28.85 | ..... | ..... | ..... | 2.88 | ..... | 2.88 | ..... | ..... | ..... |
| 2755 | | | 8.05 | ..... | ..... | ..... | 8.62 | ..... | 8.62 | ..... | ..... | ..... |
| | | | 8.65 | ..... | ..... | ..... | 8.60 | ..... | 8.60 | ..... | ..... | ..... |
| 2789 | | | 7.90 | ..... | ..... | ..... | 8.47 | ..... | 8.47 | ..... | ..... | ..... |
| | | | 8.65 | ..... | ..... | ..... | 8.60 | ..... | 8.60 | ..... | ..... | ..... |
| 2790 | | | 8.30 | ..... | ..... | ..... | 8.44 | ..... | 8.44 | ..... | ..... | ..... |
| | | | 8.65 | ..... | ..... | ..... | 8.60 | ..... | 8.60 | ..... | ..... | ..... |
| 2425 | | | | | 15.35 | ..... | ..... | ..... | 15.35 | ..... | ..... | ..... |
| | | | | | 15.00 | ..... | ..... | ..... | 15.00 | ..... | ..... | ..... |
| 2439 | | | 24.70 | ..... | ..... | ..... | 3.48 | ..... | 3.48 | ..... | ..... | ..... |
| | | | 24.29 | ..... | ..... | ..... | 3.64 | ..... | 3.64 | ..... | ..... | ..... |
| 2440 | | | 24.80 | ..... | ..... | ..... | 3.57 | ..... | 3.57 | ..... | ..... | ..... |
| | | | 24.26 | ..... | ..... | ..... | 3.61 | ..... | 3.61 | ..... | ..... | ..... |
| 2817 | | | | | | | 9.85 | ..... | 9.85 | ..... | ..... | ..... |
| | | | | | | | 10.70 | ..... | 10.70 | ..... | ..... | ..... |
| 2380 | 4.11 | 6.48 | 10.59 | ..... | 0.66 | 0.09 | 2.25 | ..... | 3.00 | 2.31 | ..... | ..... |
| ..... | 5.00 | 3.00 | 8.00 | Bn, G, Super | 0.75 | ..... | 1.25 | Bl, Bn, G | 2.00 | 2.00 | ..... | ..... |
| 2807 | 5.88 | 5.05 | 10.93 | ..... | 2.00 | 0.14 | 1.80 | ..... | 3.94 | 5.80 | ..... | ..... |
| ..... | 5.00 | 5.00 | 10.00 | Bn, Supr | 2.00 | ..... | 2.00 | Bl, Bn, G | 4.00 | 5.00 | ..... | ..... |
| 2413 | | | 5.66 | ..... | 0.74 | 0.33 | 2.35 | ..... | 3.42 | ..... | 0.31 | ..... |
| | | | 6.48 | ..... | ..... | ..... | 3.40 | ..... | 3.40 | ..... | 0.15 | ..... |
| 2414 | | | 2.88 | ..... | ..... | ..... | 3.45 | ..... | 3.45 | ..... | 0.43 | ..... |
| | | | 11.00 | ..... | ..... | ..... | 3.74 | ..... | 3.74 | ..... | 0.39 | ..... |
| 2411 | | | | | 15.50 | ..... | ..... | ..... | 15.50 | ..... | ..... | ..... |
| | | | | | 14.00 | ..... | ..... | ..... | 14.00 | ..... | ..... | ..... |
| 2412 | | | 20.06 | ..... | ..... | ..... | 4.90 | ..... | 4.90 | ..... | ..... | ..... |
| | | | 18.00 | Bn | ..... | ..... | 5.00 | Bl, Bn | 5.00 | ..... | ..... | ..... |

*2789—54% fine.
*2790—57% fine.

*2439—37% fine.
*2440—30% fine.

*2412—60% fine.

ANALYSES AND VALUATIONS—Continued.

| Laboratory Number. | NAME AND ADDRESS OF MANUFACTURER OR DEALER, AND NAME OF BRAND. | | FROM WHOM OBTAINED. | Value per Ton at Station Prices. |
|--|---|--|---------------------|-------------------------------------|
| | | | | |
| | | | | |
| Southern California Fertilizer Co., Los Angeles, Cal. | | | | |
| 2324 | Bat Guano | Arlington Heights Fruit Co., Riverside.... | 17.63 | |
| 2326 | Bat Guano | Arlington Heights Fruit Co., Riverside.... | 19.63 | |
| 2341 | Bat Guano | Arlington Heights Fruit Co., Riverside.... | 18.56 | |
| | Sold on Station Analysis. | | | |
| 2643 | Bat Guano | F. M. Lingo, Rialto | 15.48 | |
| | Guaranteed..... | | | 16.37 |
| 2678 | Bat Guano | B. E. Sibley, Rialto | 21.05 | |
| | Guaranteed..... | | | 22.60 |
| 2677 | Guano | B. E. Sibley, Rialto | 35.32 | |
| | Guaranteed..... | | | 38.88 |
| 2450* | Special | Factory, Ontario | 22.15 | |
| | Guaranteed..... | | | 25.20 |
| 2742 | Special A | B. S. Casey, Rialto | 30.55 | |
| | Guaranteed..... | | | 28.48 |
| 2818 | Special 2.75-6-1 | John Sealer, Rialto | 21.38 | |
| | Guaranteed..... | | | 19.40 |
| Standard Rendering Co., Kansas City, Mo. | | | | |
| 2724* | Standard One | Glendora Citrus Assn., Glendora | 33.93 | |
| | Guaranteed..... | | | 31.61 |
| 2792* | Standard One | C. Huber, Oskaloosa, Iowa | 34.06 | |
| | Guaranteed..... | | | 32.33 |
| 2370* | Tankage | Corona Lemon Co., Corona | 34.26 | |
| | Guaranteed..... | | | 34.04 |
| Swift & Co., Chicago, Ill. | | | | |
| 2577 | Blood | P. E. Stanton, Covina | 52.71 | |
| 2693 | Blood | E. L. Koethen, Riverside | 57.33 | |
| 2738 | Blood | Redlands Fertilizer Assn., Redlands | 54.30 | |
| 2801 | Blood | Wm. Rohrig, Upland | 55.31 | |
| | Guaranteed..... | | | 55.65 |
| 2379* | Bone Meal | P. E. Stanton, Covina | 31.06 | |
| | Guaranteed..... | | | 24.65 |
| 2377* | Diamond C | P. E. Stanton, Covina | 31.45 | |
| | Guaranteed..... | | | 29.28 |
| 2448* | Diamond C | G. W. Duley, Upland | 32.42 | |
| | Guaranteed..... | | | 29.55 |
| 2735* | Diamond C | Redlands Fertilizer Assn., Redlands | 30.97 | |
| | Guaranteed..... | | | 29.35 |
| 2378* | Diamond E | P. E. Stanton, Covina | 33.76 | |
| | Guaranteed..... | | | 33.20 |
| 2576* | Diamond E | P. E. Stanton, Covina | 32.97 | |
| 2694* | Diamond E | E. L. Koethen, Riverside | 36.74 | |
| | Guaranteed..... | | | 33.60 |

*2450—Source of phosphoric acid and nitrogen not stated.
 *2724—64% fine.

*2792—83% fine.
 *2370—75% fine.
 *2379—58% fine.

ANALYSES AND VALUATIONS—Continued.

| Laboratory Number | POUNDS PER HUNDRED. | | | | | | | | | | | |
|-------------------|---------------------|--------|-----------------------------|-------------------|-------------------|----------|--|---------|---------------|--------|-------|---------|
| | PHOSPHORIC ACID | | | | NITROGEN | | | | | POTASH | | CHLORIN |
| Available. | Insoluble. | Total. | Guaranteed as derived from. | In Nitrates. | In Ammonia Salts. | Organic. | Organic Nitrogen guaranteed as derived from. | Total. | From Sulfate. | Total. | | |
| 2324 | | | 12.30 | ..... | 0.73 | 0.08 | 0.80 | ..... | 1.61 | ..... | 0.43 | |
| 2326 | | | 12.94 | ..... | 1.08 | 0.18 | 0.77 | ..... | 2.03 | ..... | 0.39 | |
| 2341 | | | 11.94 | ..... | 0.85 | 0.17 | 0.90 | ..... | 1.92 | ..... | 0.52 | |
| 2643 | | | 9.55 | ..... | 1.24 | 0.15 | 0.74 | ..... | 2.13 | ..... | 0.43 | |
| | | | 9.12 | ..... | ..... | ..... | 2.27 | ..... | 2.27 | ..... | 0.36 | |
| 2678 | | | 12.80 | ..... | 1.45 | 0.30 | 0.95 | ..... | 2.70 | ..... | 0.71 | |
| | | | 13.22 | ..... | ..... | ..... | ..... | ..... | 2.79 | ..... | 0.72 | |
| 2677 | | | 6.60 | ..... | 2.16 | 1.51 | 3.58 | ..... | 7.25 | ..... | 2.27 | |
| | | | 7.10 | ..... | ..... | ..... | ..... | ..... | 7.53 | ..... | 2.57 | |
| 2450 | 5.58 | 3.35 | 8.93 | ..... | 1.21 | 0.26 | 1.33 | ..... | 3.80 | 2.74 | ..... |  |
| | 8.00 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 3.30 | 2.00 | ..... |  |
| 2742 | 7.40 | 2.38 | 9.78 | ..... | 1.88 | 0.56 | 2.20 | ..... | 4.64 | ..... | 2.57 | |
| | 8.00 | ..... | ..... | Bat G, Super | ..... | ..... | 4.12 | Bat G | 4.12 | ..... | 2.00 | |
| 2818 | 7.28 | 0.25 | 7.53 | ..... | 2.23 | ..... | 0.52 | ..... | 2.75 | ..... | 2.20 | |
| | 6.00 | ..... | ..... | Sheep G, Super | ..... | ..... | ..... | Sheep G | 2.75 | ..... | 1.00 | |
| 2724 | | | 22.10 | ..... | ..... | ..... | 4.30 | ..... | 4.30 | ..... | ..... |  |
| | | | 18.25 | Bn, T | ..... | ..... | 4.50 | Bn, T | 4.50 | ..... | ..... |  |
| 2792 | | | 21.20 | ..... | ..... | ..... | 4.34 | ..... | 4.34 | ..... | ..... |  |
| | | | 18.25 | Bn, T | ..... | ..... | 4.50 | Bn, T | 4.50 | ..... | ..... |  |
| 2370 | | | 19.16 | ..... | ..... | ..... | 4.88 | ..... | 4.88 | ..... | ..... |  |
| | | | 20.59 | Bn | ..... | ..... | 4.53 | Bl, Bn | 4.53 | ..... | ..... |  |
| 2577 | | | | | | | 12.55 | ..... | 12.55 | ..... | ..... |  |
| 2693 | | | | | | | 13.65 | ..... | 13.65 | ..... | ..... |  |
| 2738 | | | | | | | 12.93 | ..... | 12.93 | ..... | ..... |  |
| 2801 | | | | | | | 13.17 | ..... | 13.17 | ..... | ..... |  |
| | | | | | | | 13.25 | ..... | 13.25 | ..... | ..... |  |
| 2379 | | | 31.44 | ..... | ..... | ..... | 1.59 | ..... | 1.59 | ..... | ..... |  |
| | | | 27.00 | ..... | ..... | ..... | 0.82 | ..... | 0.82 | ..... | ..... |  |
| 2377 | | | 26.20 | ..... | ..... | ..... | 2.79 | ..... | 2.79 | ..... | ..... |  |
| | | | 25.00 | Bn | ..... | ..... | 2.47 | Bn | 2.47 | ..... | ..... |  |
| 2448 | | | 28.30 | ..... | ..... | ..... | 2.56 | ..... | 2.56 | ..... | ..... |  |
| | | | 25.00 | Bn | ..... | ..... | 2.50 | Bn | 2.50 | ..... | ..... |  |
| 2735 | | | 24.60 | ..... | ..... | ..... | 3.02 | ..... | 3.02 | ..... | ..... |  |
| | | | 25.00 | Bn | ..... | ..... | 2.50 | Bn | 2.50 | ..... | ..... |  |
| 2378 | | | 18.06 | ..... | ..... | ..... | 5.03 | ..... | 5.03 | ..... | ..... |  |
| | | | 17.50 | Bn | ..... | ..... | 5.00 | Bl, Bn | 5.00 | ..... | ..... |  |
| 2576 | | | 17.15 | ..... | ..... | ..... | 4.91 | ..... | 4.91 | ..... | ..... |  |
| 2694 | | | 17.75 | ..... | ..... | ..... | 5.75 | ..... | 5.75 | ..... | ..... |  |
| | | | 17.50 | Bn | ..... | ..... | 5.00 | Bl, Bn | 5.00 | ..... | ..... |  |

*2377—62% fine.

*2448—68% fine.

*2735—60% fine.

*2378—71% fine.

*2576—79% fine.

*2694—80% fine.

ANALYSES AND VALUATIONS—Continued.

| Laboratory Number. | NAME AND ADDRESS OF MANUFACTURER OR DEALER, AND NAME OF BRAND. | | FROM WHOM OBTAINED. | Value per Ton at Station Prices. |
|--|---|-----------------|---|-------------------------------------|
| Swift & Co.—Continued. | | | | |
| 2449 | Diamond K | Guaranteed..... | G. W. Duley, Upland | 35.20 32.40 |
| 2579 | Diamond M | Guaranteed..... | P. E. Stanton, Covina | 39.46 38.80 |
| 2736 | Special 4-12-3 | Guaranteed..... | Redlands Fertilizer Assn., Redlands | 29.39 29.20 |
| 2578* | Tankage | Guaranteed..... | P. E. Stanton, Covina | 39.19 38.74 |
| 2695* | Tankage | Guaranteed..... | E. L. Koethen, Riverside | 37.74 37.84 |
| 2737* | Tankage | Guaranteed..... | Redlands Fertilizer Assn., Redlands | 37.08 36.94 |
| 2800* | Tankage | Guaranteed..... | Geo. N. Hamilton, Claremont | 37.94 38.20 |
| Union Fertilizer Co., Los Angeles, Cal. | | | | |
| 2472 | Bat Guano | Guaranteed..... | A. T. Hansen, Pasadena | 30.62 34.30 |
| 2523 | Blood | Guaranteed..... | W. H. White, Glendora | 48.47 50.40 |
| 2525* | Bone Meal | Guaranteed..... | W. H. White, Glendora | 32.25 27.14 |
| 2538* | Bone Meal | Guaranteed..... | G. R. Tyler, Pomona | 34.27 32.18 |
| 2539* | Bone Meal | Guaranteed..... | W. F. Tyler, Upland | 32.00 30.39 |
| 2638* | Bone Meal | Guaranteed..... | J. F. Jackson, Riverside | 31.09 30.98 |
| 2383 | Fruiting | | S. L. Main, Colton | 29.89 |
| 2390 | Fruiting | | Johnson Fruit Co., Santa Barbara | 23.79 |
| 2532 | Fruiting | | G. R. Tyler, Pomona | 27.07 |
| 2537 | Fruiting | | G. R. Tyler, Pomona | 26.41 |
| 2541 | Fruiting | | W. F. Tyler, Upland | 25.98 |
| 2560 | Fruiting | | E. E. Cole, Redlands | 26.24 |
| 2596 | Fruiting | | S. L. Main, Colton | 24.55 |
| 2662 | Fruiting | | M. L. May, Rialto | 29.42 |
| 2869 | Fruiting | Guaranteed..... | J. E. Shaw, Riverside | 26.97 24.14 |
| 2714 | Guano-Acidulated | Guaranteed..... | C. D. Hubbard, San Fernando | 23.74 22.20 |
| 2636 | Lawn | Guaranteed..... | J. F. Jackson, Riverside | 34.01 29.10 |
| 2618 | Nitrate of Soda | | J. F. Jackson, Riverside | 55.02 |
| 2715 | Nitrate of Soda | Guaranteed..... | C. D. Hubbard, San Fernando | 53.65 52.50 |

*2578—74% fine.
*2695—63% fine.

*2737—51% fine. Some hoof.
*2800—67% fine.

ANALYSES AND VALUATIONS—Continued.

POUNDS PER HUNDRED.

| Laboratory Number. | PHOSPHORIC ACID | | | | NITROGEN | | | | | POTASH | | CHLORIN |
|--------------------|-----------------|------------|--------------|-----------------------------|--------------|-------------------|----------|--|--------------|---------------|--------|---------|
| | Available. | Insoluble. | Total. | Guaranteed as derived from. | In Nitrates. | In Ammonia Salts. | Organic. | Organic Nitrogen guaranteed as derived from. | Total. | From Sulfate. | Total. | |
| 2449 | ..... | ..... | 19.75 | ..... | ..... | ..... | 3.36 | ..... | 3.36 | 4.97 | ..... | 0.70 |
| ..... | ..... | ..... | 22.00 | <i>Bn</i> | ..... | ..... | 2.50 | <i>Bl, Bn</i> | 2.50 | 4.00 | ..... | ..... |
| 2579 | ..... | ..... | 13.70 | ..... | ..... | ..... | 6.02 | ..... | 6.02 | 3.68 | ..... | 1.75 |
| ..... | ..... | ..... | 12.50 | <i>Bn</i> | ..... | ..... | 6.00 | <i>Bl, Bn</i> | 6.00 | 4.00 | ..... | ..... |
| 2736 | ..... | ..... | 12.83 | ..... | ..... | ..... | 3.84 | ..... | 3.84 | 3.14 | ..... | 0.60 |
| ..... | ..... | ..... | 12.00 | ..... | ..... | ..... | 4.00 | ..... | 4.00 | 3.00 | ..... | ..... |
| 2578 | ..... | ..... | 5.90 | ..... | ..... | ..... | 8.93 | ..... | 8.93 | ..... | ..... | ..... |
| ..... | ..... | ..... | 5.00 | <i>Bn</i> | ..... | ..... | 9.00 | <i>Bl, Bn</i> | 9.00 | ..... | ..... | ..... |
| 2695 | ..... | ..... | 5.25 | ..... | ..... | ..... | 8.92 | ..... | 8.92 | ..... | ..... | ..... |
| ..... | ..... | ..... | 5.00 | <i>Bn</i> | ..... | ..... | 9.00 | <i>Bl, Bn</i> | 9.00 | ..... | ..... | ..... |
| 2737 | ..... | ..... | 4.40 | ..... | ..... | ..... | 9.17 | ..... | 9.17 | ..... | ..... | ..... |
| ..... | ..... | ..... | 5.00 | <i>Bn</i> | ..... | ..... | 9.00 | <i>Bl, Bn</i> | 9.00 | ..... | ..... | ..... |
| 2800 | ..... | ..... | 5.73 | ..... | ..... | ..... | 8.78 | ..... | 8.78 | ..... | ..... | ..... |
| ..... | ..... | ..... | 5.00 | <i>Bn</i> | ..... | ..... | 9.00 | <i>Bl, Bn</i> | 9.00 | ..... | ..... | ..... |
| 2472 | 4.04 | 2.01 | 6.05 | ..... | 0.69 | 1.07 | 4.10 | ..... | 5.86 | ..... | 1.75 | ..... |
| ..... | 5.50 | ..... | ..... | ..... | 1.00 | ..... | 5.60 | ..... | 6.60 | ..... | 1.50 | ..... |
| 2523 | ..... | ..... | ..... | ..... | ..... | ..... | 11.54 | ..... | 11.54 | ..... | ..... | ..... |
| ..... | ..... | ..... | ..... | ..... | ..... | ..... | 12.00 | ..... | 12.00 | ..... | ..... | ..... |
| 2525 | ..... | ..... | 26.15 | ..... | ..... | ..... | 3.20 | ..... | 3.20 | ..... | ..... | ..... |
| ..... | ..... | ..... | 23.00 | ..... | ..... | ..... | 2.47 | ..... | 2.47 | ..... | ..... | ..... |
| 2538 | ..... | ..... | 27.40 | ..... | ..... | ..... | 2.96 | ..... | 2.96 | ..... | ..... | ..... |
| ..... | ..... | ..... | 27.00 | ..... | ..... | ..... | 2.50 | ..... | 2.50 | ..... | ..... | ..... |
| 2539 | ..... | ..... | 22.40 | ..... | ..... | ..... | 4.14 | ..... | 4.14 | ..... | ..... | ..... |
| ..... | ..... | ..... | 27.49 | ..... | ..... | ..... | 2.47 | ..... | 2.47 | ..... | ..... | ..... |
| 2638 | ..... | ..... | 29.40 | ..... | ..... | ..... | 2.08 | ..... | 2.08 | ..... | ..... | ..... |
| ..... | ..... | ..... | 27.49 | ..... | ..... | ..... | 2.47 | ..... | 2.47 | ..... | ..... | ..... |
| 2383 | 7.33 | 4.77 | 12.10 | ..... | 1.85 | 0.55 | 1.35 | ..... | 3.75 | ..... | 4.04 | 0.87 |
| 2390 | 7.85 | 2.19 | 10.04 | ..... | 0.94 | 0.45 | 1.11 | ..... | 2.50 | ..... | 3.28 | ..... |
| 2532 | 6.93 | 2.05 | 8.98 | ..... | 1.68 | 0.30 | 1.51 | ..... | 3.49 | ..... | 3.94 | ..... |
| 2537 | 7.43 | 2.35 | 9.78 | ..... | 1.34 | 0.40 | 1.58 | ..... | 3.32 | ..... | 3.22 | ..... |
| 2541 | 6.80 | 3.45 | 10.25 | ..... | 1.25 | 0.32 | 1.46 | ..... | 3.03 | ..... | 3.94 | ..... |
| 2560 | 6.90 | 2.35 | 9.25 | ..... | 1.54 | 0.40 | 1.44 | ..... | 3.38 | ..... | 3.49 | ..... |
| 2596 | 6.35 | 1.35 | 7.70 | ..... | 1.45 | 0.48 | 1.33 | ..... | 3.26 | ..... | 3.44 | ..... |
| 2662 | 6.55 | 1.20 | 7.75 | ..... | 1.05 | 1.30 | 1.19 | ..... | 3.54 | ..... | 3.88 | 0.61 |
| 2869 | 6.70 | 2.70 | 9.40 | ..... | 1.25 | 1.05 | 1.32 | ..... | 3.62 | ..... | 3.46 | ..... |
| ..... | 7.00 | 1.50 | 8.50 | <i>Bn, G, Supr, T</i> | 0.75 | 0.60 | 1.65 | <i>Bn, G, T</i> | 3.00 | ..... | 3.00 | ..... |
| 2714 | 17.12 | 4.28 | 21.40 | ..... | ..... | ..... | 0.80 | ..... | 0.80 | ..... | ..... | ..... |
| ..... | 16.00 | ..... | ..... | ..... | ..... | ..... | 0.75 | ..... | 0.75 | ..... | ..... | ..... |
| 2636 | 8.40 | 1.15 | 9.55 | ..... | 2.71 | 0.80 | 1.90 | ..... | 5.41 | ..... | 2.83 | 0.87 |
| ..... | 6.00 | 2.00 | 8.00 | <i>Bn, G, Supr, T</i> | 1.00 | 1.00 | 3.00 | <i>Bn, G, T</i> | 5.00 | ..... | 1.50 | ..... |
| 2618 | ..... | ..... | ..... | ..... | 15.72 | ..... | ..... | ..... | 15.72 | ..... | ..... | ..... |
| 2715 | ..... | ..... | ..... | ..... | 15.33 | ..... | ..... | ..... | 15.33 | ..... | ..... | ..... |
| ..... | ..... | ..... | ..... | ..... | 15.00 | ..... | ..... | ..... | 15.00 | ..... | ..... | ..... |

*2525—38% fine.

*2538—68% fine.

*2539—22% fine.

*2638—49% fine.

ANALYSES AND VALUATIONS—Continued.

| Laboratory Number | NAME AND ADDRESS OF MANUFACTURER OR DEALER, AND NAME OF BRAND. | | FROM WHOM OBTAINED. | Value per Ton at Station Prices. |
|-------------------------------------|---|-------------------------------------|---------------------|-------------------------------------|
| | | | | |
| | | | | |
| Union Fertilizer Co.— Continued. | | | | |
| 2385 | Nursery | W. A. Hively, Corona | 32.48 | |
| | Guaranteed..... | ..... | 29.10 | |
| 2533 | Nursery | G. R. Tyler, Pomona | 31.19 | |
| | Guaranteed..... | ..... | 28.85 | |
| 2384 | Special | W. A. Hively, Corona | 24.75 | |
| | Guaranteed..... | ..... | 25.70 | |
| 2554 | Special | H. E. Wilkinson, San Fernando | 28.71 | |
| | Guaranteed..... | ..... | 27.60 | |
| 2619 | Special | J. F. Jackson, Riverside | 35.87 | |
| | Guaranteed..... | ..... | 35.80 | |
| 2620 | Special | J. F. Jackson, Riverside | 31.41 | |
| | Guaranteed..... | ..... | 30.40 | |
| 2722 | Special | C. D. Hubbard, San Fernando | 31.76 | |
| | Guaranteed..... | ..... | 30.50 | |
| 2382 | Special Fruiting | S. L. Main, Colton | 32.54 | |
| 2386 | Special Fruiting | W. A. Hively, Corona | 32.57 | |
| 2534 | Special Fruiting | G. R. Tyler, Pomona | 30.06 | |
| 2535 | Special Fruiting | G. R. Tyler, Pomona | 30.25 | |
| 2540 | Special Fruiting | W. F. Tyler, Upland | 29.70 | |
| 2561 | Special Fruiting | E. E. Cole, Redlands | 30.07 | |
| | Guaranteed..... | ..... | 29.75 | |
| 2811 | Superphosphate | Wright Bros., Riverside | 20.40 | |
| 2853 | Superphosphate | Wright Bros., Riverside | 20.30 | |
| | Sold on Station Analysis. | | | |
| 2892 | Superphosphate | Dr. John Hewitson, Riverside | 19.88 | |
| | Guaranteed..... | ..... | 20.40 | |
| 2632 | Sulfate of Potash | J. F. Jackson, Riverside | 60.09 | |
| 2663 | Sulfate of Potash | M. L. May, Rialto | 58.41 | |
| | Guaranteed..... | ..... | 54.00 | |
| 2387* | Tankage | W. A. Hively, Corona | 31.79 | |
| 2524* | Tankage | W. H. White, Glendora | 34.17 | |
| | Guaranteed..... | ..... | 33.08 | |
| 2536* | Tankage | G. R. Tyler, Pomona | 32.49 | |
| | Guaranteed..... | ..... | 32.85 | |
| 2551* | Tankage | Thos. Strain, Jr., Fullerton | 34.64 | |
| | Guaranteed..... | ..... | 34.62 | |
| 2637* | Tankage | J. F. Jackson, Riverside | 36.68 | |
| | Guaranteed..... | ..... | 36.07 | |
| 2639* | Tankage | J. F. Jackson, Riverside | 34.21 | |
| | Guaranteed..... | ..... | 33.70 | |

*2387—70% fine.

*2524—71% fine.

*2536—67% fine.

*2551—80% fine.

*2637—78% fine.

*2639—78% fine.

ANALYSES AND VALUATIONS—Continued.

| Laboratory Number. | POUNDS PER HUNDRED. | | | | | | | | | | | |
|--------------------|---------------------|--------|-----------------------------|----------------|-------------------|----------|--|-----------------|---------------|--------|-------|---------|
| | PHOSPHORIC ACID | | | | NITROGEN | | | | | POTASH | | CHLORIN |
| Available. | Insoluble. | Total. | Guaranteed as derived from. | In Nitrates. | In Ammonia Salts. | Organic. | Organic Nitrogen guaranteed as derived from. | Total. | From Sulfate. | Total. | | |
| 2385 | 6.70 | 2.04 | 8.74 | ..... | 0.77 | 1.10 | 3.32 | ..... | 5.19 | ..... | 2.91 | 1.12 |
| ..... | 6.00 | 2.00 | 8.00 | <i>Bn, G,</i> | 1.00 | 1.00 | 3.00 | <i>Bn, G, T</i> | 5.00 | ..... | 1.50 | ..... |
| | | | | <i>Supr, T</i> | | | | | | | | |
| 2533 | 6.25 | 2.05 | 8.30 | ..... | 2.99 | 0.38 | 2.02 | ..... | 5.39 | ..... | 2.29 | ..... |
| ..... | 6.00 | 1.50 | 7.50 | <i>Bn, G,</i> | 1.00 | 1.00 | 3.00 | <i>Bn, G, T</i> | 5.00 | ..... | 1.50 | ..... |
| | | | | <i>Supr, T</i> | | | | | | | | |
| 2384 | 17.89 | 2.83 | 20.72 | ..... | ..... | ..... | 0.80 | ..... | 0.80 | ..... | ..... | ..... |
| ..... | 18.00 | ..... | ..... | <i>G, Supr</i> | ..... | ..... | 1.00 | <i>G</i> | 1.00 | ..... | ..... | ..... |
| 2554 | 9.13 | 3.65 | 12.78 | ..... | 0.87 | 0.37 | 1.72 | ..... | 2.96 | ..... | 3.90 | ..... |
| ..... | 10.00 | ..... | ..... | <i>Bn G,</i> | ..... | ..... | 3.00 | <i>Bn, G, T</i> | 3.00 | ..... | 3.00 | ..... |
| | | | | <i>Super</i> | | | | | | | | |
| 2619 | ..... | ..... | 13.15 | ..... | ..... | ..... | 5.65 | ..... | 5.65 | ..... | 2.29 | 0.68 |
| ..... | ..... | ..... | 13.75 | <i>Bn, G,</i> | ..... | ..... | 5.75 | <i>Bn, G, T</i> | 5.75 | ..... | 1.50 | ..... |
| | | | | <i>Super</i> | | | | | | | | |
| 2620 | 6.68 | 1.75 | 8.43 | ..... | 0.46 | 0.60 | 2.70 | ..... | 3.76 | ..... | 6.62 | ..... |
| ..... | 6.00 | ..... | ..... | ..... | ..... | ..... | 4.00 | ..... | 4.00 | ..... | 6.00 | ..... |
| 2722 | 7.55 | 1.93 | 9.48 | ..... | 3.48 | 0.22 | 1.55 | ..... | 5.25 | 2.14 | ..... | ..... |
| ..... | 8.00 | ..... | ..... | ..... | 1.00 | 1.00 | 3.00 | ..... | 5.00 | 1.50 | ..... | ..... |
| 2382 | 8.67 | 2.37 | 11.04 | ..... | 1.91 | 0.88 | 1.60 | ..... | 4.39 | ..... | 3.92 | 0.87 |
| 2386 | 8.28 | 3.87 | 12.15 | ..... | 2.02 | 0.72 | 1.69 | ..... | 4.43 | ..... | 3.55 | 0.75 |
| 2534 | 8.93 | 1.80 | 10.73 | ..... | 1.58 | 0.83 | 1.45 | ..... | 3.86 | ..... | 3.44 | 0.80 |
| 2535 | 7.08 | 2.27 | 9.35 | ..... | 2.26 | 0.47 | 1.49 | ..... | 4.22 | ..... | 4.21 | ..... |
| 2540 | 7.13 | 2.40 | 9.53 | ..... | 2.25 | 0.44 | 1.31 | ..... | 4.00 | ..... | 4.37 | 0.95 |
| 2561 | 8.05 | 2.35 | 10.40 | ..... | 1.78 | 0.63 | 1.54 | ..... | 3.95 | ..... | 3.81 | 0.65 |
| ..... | 8.00 | 1.50 | 9.50 | <i>Bn, G,</i> | 1.00 | 0.75 | 2.25 | <i>Bn, G, T</i> | 4.00 | ..... | 3.50 | ..... |
| | | | | <i>Supr, T</i> | | | | | | | | |
| 2811 | 17.00 | 0.40 | 17.40 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| 2853 | 16.92 | 0.98 | 17.90 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| 2892 | 16.57 | 0.43 | 17.00 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| ..... | 17.00 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| 2632 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 50.08 | ..... | 2.20 |
| 2663 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 48.68 | ..... | 2.40 |
| ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 45.00 | ..... | ..... |
| 2387 | ..... | ..... | 12.57 | ..... | ..... | ..... | 5.66 | ..... | 5.66 | ..... | ..... | ..... |
| 2524 | ..... | ..... | 13.15 | ..... | ..... | ..... | 6.16 | ..... | 6.16 | ..... | ..... | ..... |
| ..... | ..... | ..... | 13.75 | <i>Bn</i> | ..... | ..... | 5.75 | <i>Bl, Bn</i> | 5.75 | ..... | ..... | ..... |
| 2536 | ..... | ..... | 15.25 | ..... | ..... | ..... | 5.34 | ..... | 5.34 | ..... | ..... | ..... |
| ..... | ..... | ..... | 13.75 | <i>Bn</i> | ..... | ..... | 5.75 | <i>Bl, Bn</i> | 5.75 | ..... | ..... | ..... |
| 2551 | ..... | ..... | 18.80 | ..... | ..... | ..... | 5.00 | ..... | 5.00 | ..... | ..... | ..... |
| ..... | ..... | ..... | 20.00 | <i>Bn</i> | ..... | ..... | 4.75 | <i>Bl, Bn</i> | 4.75 | ..... | ..... | ..... |
| 2637 | ..... | ..... | 18.80 | ..... | ..... | ..... | 5.55 | ..... | 5.55 | ..... | ..... | ..... |
| ..... | ..... | ..... | 19.50 | <i>Bn</i> | ..... | ..... | 5.25 | <i>Bl, Bn</i> | 5.25 | ..... | ..... | ..... |
| 2639 | ..... | ..... | 16.10 | ..... | ..... | ..... | 5.47 | ..... | 5.47 | ..... | ..... | ..... |
| ..... | ..... | ..... | 17.75 | <i>Bn</i> | ..... | ..... | 5.00 | <i>Bl, Bn</i> | 5.00 | ..... | ..... | ..... |

ANALYSES AND VALUATIONS—Continued.

| Laboratory Number. | NAME AND ADDRESS OF MANUFACTURER OR DEALER, AND NAME OF BRAND. | | FROM WHOM OBTAINED. | Value per Ton at Station Prices. |
|--------------------|---|--|---------------------|-------------------------------------|
| | | | | |
| | Union Superphosphate Co., San Francisco, Cal. | | | |
| 2890 | Superphosphate | Chula Vista Lemon Growers Assn., Chula Vista | | 22.48 |
| | <i>Guaranteed</i> | | | 20.40 |
| 2894 | Superphosphate | Bloomington Fruit Assn., Bloomington.... | | 20.31 |
| | <i>Guaranteed</i> | | | 20.40 |
| | Woodbridge Fertilizer Co., Los Angeles, Cal. | | | |
| 2699 | Nitrate of Soda | V. Peyton, Los Angeles | | 53.55 |
| | <i>Guaranteed</i> | | | 54.25 |
| 2658* | Orange No. 1 | Chas. Nauert, Bloomington | | 32.87 |
| | <i>Guaranteed</i> | | | 31.20 |
| 2657 | Special | Factory, San Bernardino | | 21.25 |
| | <i>Guaranteed</i> | | | 27.40 |
| 2575 | Sulfate of Potash | Leffingwell Rancho, Whittier | | 58.99 |
| | <i>Guaranteed</i> | | | 59.34 |
| 2700 | Sulphate of Potash | V. Peyton, Los Angeles | | 59.09 |
| | <i>Guaranteed</i> | | | 59.05 |

*2658—No bone present.

ANALYSES AND VALUATIONS—Continued.

| Laboratory Number. | POUNDS PER HUNDRED. | | | | | | | | | | | |
|--------------------|---------------------|--------|-----------------------------|-----------------|-------------------|----------|--|--------|---------------|--------|-------|---------|
| | PHOSPHORIC ACID | | | | NITROGEN | | | | | POTASH | | CHLORIN |
| Available. | Insoluble. | Total. | Guaranteed as derived from. | In Nitrates. | In Ammonia Salts. | Organic. | Organic Nitrogen guaranteed as derived from. | Total. | From Sulfate. | Total. | | |
| 2890 | 18.74 | 0.31 | 19.05 | | | | | | | | | |
| ..... | 17.50 | 1.50 | 18.50 | | | | | | | | | |
| 2894 | 16.93 | 1.32 | 18.25 | | | | | | | | | |
| ..... | 17.00 | 1.00 | 18.00 | | | | | | | | | |
| | | | | | | | | | | | | |
| 2699 | ..... | ..... | ..... |  | 15.30 | ..... | ..... | 15.30 | ..... | ..... | ..... |  |
| ..... | ..... | ..... | ..... |  | 15.50 | ..... | ..... | 15.50 | ..... | ..... | ..... |  |
| 2658 | 9.38 | 0.35 | 9.73 | | 3.95 | ..... | 0.17 | 4.12 | 5.78 | ..... | ..... |  |
| ..... | 6.00 | 4.00 | 10.00 | <i>Bn, Supr</i> | ..... | ..... | ..... | 4.00 | 5.00 | ..... | ..... |  |
| 2657 | | | 8.88 | | 1.97 | | 0.20 | 2.17 | 5.38 | | | |
| | | | 8.00 | <i>Super</i> | 2.00 | | | 2.00 | 5.00 | | | |
| 2575 | | | | | | | | | 49.16 | | 1.80 | |
| | | | | | | | | | 49.45 | | | |
| 2700 | | | | | | | | | 49.24 | | 1.60 | |
| | | | | | | | | | 49.21 | | | |

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- 1897. Resistant Vines, their Selection, Adaptation, and Grafting. Appendix to Viticultural Report for 1896.
- 1902. Report of the Agricultural Experiment Station for 1898-1901.
- 1903. Report of the Agricultural Experiment Station for 1901-03.
- 1904. Twenty-second Report of the Agricultural Experiment Station for 1903-04.

BULLETINS.

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